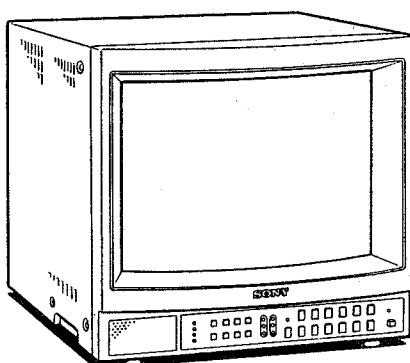


# PVM-1341/1342Q/1343MD

## SERVICE MANUAL

US Model

Canadian Model



PVM-1341

Chassis No. SCC-C27A-A

PVM-1342Q

Chassis No. SCC-C25A-A

PVM-1343MD

Chassis No. SCC-C28A-A

## SPECIFICATIONS

### Video signal

#### Frequency response

Line input: More than 7 MHz (-3 dB)

Y/C input: More than 8 MHz (-3 dB)

Component (Y/R-Y/B-Y): More than 8 MHz  
(-3 dB)

R.G.B. (analog): More than 9 MHz (-3 dB)

#### Chrominance subcarrier attenuation

3.58 MHz: Less than -30 dB (comb filter)

4.43 MHz: Less than -36 dB (trap filter)

#### Band pass

3.58 MHz: 2 MHz equiband

4.43 MHz: 2 MHz equiband

#### Chrominance/luminance

##### Time error

Composite: Less than ±100 nS

S.Video: Less than ±50 nS

Component: Less than ±50 nS

#### Aperture correction

-4.5 to +6.5 dB (at 4.5 MHz)

#### Synchronization

AFC time constant: 1 msec

#### Line pull range

Horizontal: ±500 Hz

Vertical: 8 Hz

### Picture performance

#### Normal scan

7% overscan of CRT effective screen area

#### Under scan

3% underscan of CRT effective screen area

#### H. linearity

Less than 4%

#### V. linearity

Less than 5%

#### Convergence

Central area: 0.6 mm

Peripheral area: 0.8 mm

#### Raster size stability

H: 1.0%, V: 1.5%

#### High voltage regulation

3%

#### Audio output

0.6 W (Max.)

#### CRT

PVM-1343MD/PVM-1342Q:

SMPTE-C (American-standard-phosphor)

PVM-1341: P-22

#### Chromacity coordinates (SMPTE-C only)

	X	Y
Red	0.630	0.340
Green	0.310	0.595
Blue	0.155	0.070

(Tolerance ±0.01)

#### Color temperature

6,500°K/9,300°K (+8MPCD), selectable

#### AC regulation range

110 - 130 V AC, 50/60 Hz

#### Power consumption

Approx. 99 W

### Inputs

#### VIDEO IN: BNC connector

#### AUDIO IN: phono jack

#### VTR: 8-pin connector

#### Y/C-INPUT

#### VIDEO: 4-pin DIN connector

#### AUDIO: phono jack

#### EXT SYNC: BNC connector

composite sync 1-4 Vp-p, negative, 75 ohms terminated  
automatically with no cable connected to the output  
connector

#### ANALOG RGB: BNC connector

0.7 Vp-p, ±6 dB, non composite

75 ohms terminated automatically with no cable connected to  
the output connector

#### DIGITAL RGB: 9-pin connector

#### CTRL S: Minijack

### Outputs

#### VIDEO OUT: BNC connector

#### Loop-through

#### AUDIO OUT: Phono jack

#### Loop-through

#### EXT SYNC: BNC connector

#### Loop-through

#### ANALOG RGB: BNC connector

#### Loop-through

#### CTRL S: Minijack

#### Loop-through

### General

#### Dimensions

Approx. 346 x 340 x 412 mm (w/h/d)  
(13 5/8" x 13 1/2" x 16 1/4" inches)

#### Weight

Approx. 16.5 kg (36 lb 6 oz)

— Continued on next page —

## TRINITRON® COLOR VIDEO MONITOR

# SONY®

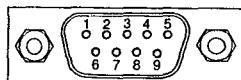


MICROFILM

# PVM-1341/1342Q/1343MD

## Pin assignment

DIGITAL RGB connector (9-pin)



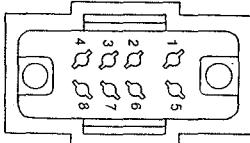
Pin No.	Signal	Signal level
1	GND (ground)	Ground
2	GND for the signal	Ground
3	Red input	Positive polarity (TTL level)
4	Green input	↑
5	Blue input	↓
6	Intensity	High state (open), Low state (ground), Positive polarity
7	NC (no connection)	—
8	H-SYNC (If V-SYNC is not input to the 9th pin, composite sync should be input to this pin.)	Positive or negative polarity (TTL level)
9	V-SYNC	Same polarity as H-SYNC (TTL level)

## Note

If the intensity function of Pin No. 6 is not used, set the internal switch on the Qd board to the B position, and connect the Pin No. 6 to the GND. With this setting, when the positive intensity signal synchronized to the characters on the screen is fed, the luminance of the characters will be increased.

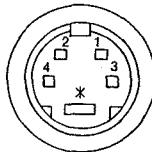
If the specific intensity function, such as that of an IBM microcomputer, is used, set the internal switch on the Qd board to the A position, and feed the intensity control signal to Pin No. 6.

VTR connector (8-pin)



Pin No.	Signal	Description
1	Audio input	-5 dBs, high input impedance (more than 47 kilohms)
2	Video input	Composite 1 Vp-p, sync negative, 75 ohms
3	GND	GND
4	NC	↔
5	GND	GND
6	GND	GND
7	GND	GND
8	GND	GND

Y/C (Y/C separate) INPUT connector (4-pin)



Pin No.	Signal	Description
1	Y-Input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-Input	300 mVp-p, burst Delay time between Y and C: within 0±100 nsec., 75 ohms
3	GND for Y-input	Ground
4	GND for CHROMA-input	Ground
*	Slot for Internal switch	Press the switch inside this slot. The signal from Y/C-INPUT connector has priority over the one from VTR (8-pin) connector.

Design and specifications subject to change without notice.

## SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

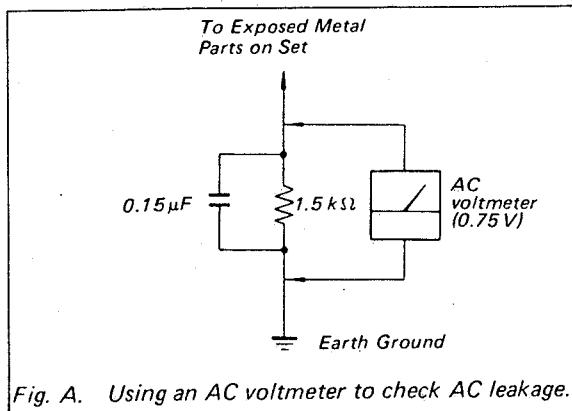


Fig. A. Using an AC voltmeter to check AC leakage.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

### HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

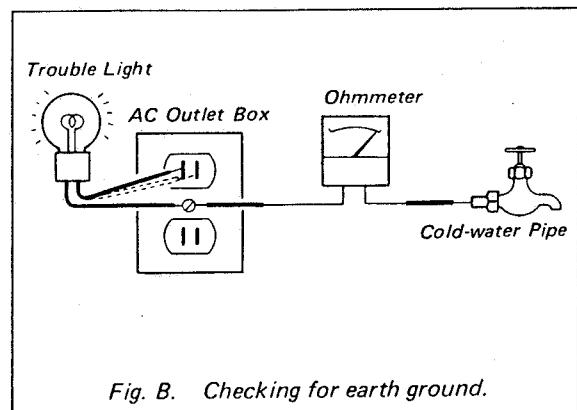


Fig. B. Checking for earth ground.

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## WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.  
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

## SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

## PVM-1343MD ONLY

## Notes on Leakage Current Measurement

This measurement should be done only by B.E.D. (Biomedical Engineering Department) technician in a hospital.

Leakage current of this model should be measured in accordance with UL 544, Item 27. Important points in leakage current measurement are given below. For further information, refer to UL 544 of UL standards.

- This model is for patient care equipment which corresponds to UL 544.
- For measurement, use the SA 1116 input circuit described in paragraph 27.5 of UL 544.
- The measurement procedure is described in paragraphs 27.5-27.13 of UL 544.
- When leakage current is measured, the waveform of the current must be sinusoidal and must not contain high frequency components (above 1 kHz). In order to check this, connect an oscilloscope to both ends of the input circuit connected to the equipment, and observe the waveform.
- A) If high frequency components (above 1 kHz) of a clear level are found, refer to paragraph 27.5 of UL 544.
- B) If high frequency components (above 1 kHz) of an unclear level are found, pull out the F-5 connector on the F printed wiring board.

## ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUSSION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE.  
LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

## ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTE.

# SECTION 1

## GENERAL

### 1-1. FEATURES

This chart shows the various features which your model has (indicated as "Yes").

Features	PVM-1343MD	PVM-1342Q	PVM-1341
Automatic white balance circuit	Yes	Yes	Yes
SMPTE-C phosphor	Yes	Yes	No
Black-tinted Trinitron tube	No	No	Yes
Super Fine Pitch Trinitron picture tube	Yes	Yes	No
Analog RGB input/output	Yes	Yes	Yes
Y/C input (4-pin DIN)	Yes	Yes	Yes
VTR Input (8-pin)	Yes	Yes	Yes
Control S input/output	Yes	Yes	Yes
Automatic termination of BNC-type input connectors	Yes	Yes	Yes
Color systems available	PAL, SECAM, NTSC3.58 NTSC4.43	NTSC3.58 only	
Colorpure filter	Yes	Yes	Yes
Blue only mode	Yes	Yes	Yes
Underscan mode	Yes	Yes	Yes
Horizontal/vertical delay mode	Yes	Yes	Yes
External sync input	Yes	Yes	Yes
Color temperature selector	Yes	Yes	Yes
Light-touch picture adjustment buttons	Yes	Yes	Yes
EIA standard 19-inch rack mounting	Yes	Yes	Yes
Digital RGB input (9-pin)	Yes	Yes	Yes

**Automatic white balance circuit**  
The automatic white balance circuit compensates for the beam distortion, secular distortion of the cathode-ray tube, etc., and always reproduces the same white display on the screen. This allows an extended use of the monitor.

#### Super Fine Pitch Trinitron picture tube

(PVM-1340/PVM-1343MD/PVM-1342Q only)  
The Super Fine Pitch Trinitron picture tube (0.25 mm aperture grill) gives high resolution picture. Horizontal resolution is more than 600 TV lines at the center of the picture. When used as a character display, up to 2,000 characters (80 characters/line × 25 lines) can be displayed with great clarity.

#### Analog RGB connector

Analog RGB signal of a video equipment can be input through this connector.

#### Y/C input connector

The video signal split into the chrominance signal (C) and the luminance signal (Y) can be input through this connector, eliminating the interference between the two signals which tends to occur in a composite video signal and assuring the video quality.

#### VTR Input connector

When connected to a VCR having the 8-bit TV connector, video and audio signals can be fed through this connector with a single cable.

#### Control S connector

When this connector is connected to the "control S" output of other equipment, the remote controls of the aperture, brightness, chroma, phase, contrast and volume settings are possible.

#### External sync input

When connected to a VCR having the 8-bit TV connector, video and audio signals can be fed through this connector with a single cable.

#### Color temperature selector

The aperture, brightness, chroma, phase, contrast and volume buttons can be adjusted by touching the buttons lightly. The adjusted settings will be stored in memory even when the monitor is turned off.

#### EIA standard 19-inch rack mounting

By using an optional MB-502A mounting bracket, the monitor can be mounted in an EIA standard 19-inch rack. An optional SLR-102 slide rail is also available. For details on mounting, see the appropriate instruction manual.

#### Four color systems available

(PVM-1343MD/PVM-1342Q only)  
The monitor can display PAL, SECAM, NTSC<sub>3.58</sub> and NTSC<sub>4.43</sub> signals. The appropriate color system is selected automatically.

\* A signal of NTSC<sub>4.43</sub> is obtained by playing back NTSC-recorded video cassettes with a video tape recorder/player especially designed for use with this system.

**Colorpure Filter**  
When NTSC video signals are received, a colorpure filter activates to increase the resolution about 35%, resulting in fine picture detail without color spill or color noise.

#### Blue only mode

In the blue only mode, an apparent monochrome display is obtained with all three cathodes driven with a blue signal. This facilitates color saturation and phase adjustments and observation of VCR noise.

#### Underscan mode

The signal normally scanned outside of the screen can be monitored in the underscan mode.

#### Horizontal/vertical delay mode

The horizontal and vertical sync signals can be checked simultaneously in the H/V delay mode.

#### External sync input

When the EXT SYNC (or ANALOG/DIGITAL (EXT SYNC)) button is depressed, the monitor can be operated on the sync signal supplied from an external sync generator.

#### Color temperature selector

Color temperature of either 9,300°K or 6,500°K is selectable with the COLOR TEMP selector. For precise adjustment, use the BIAS and GAIN adjustment controls (except PVM-1340).

#### Light-touch picture adjustment buttons

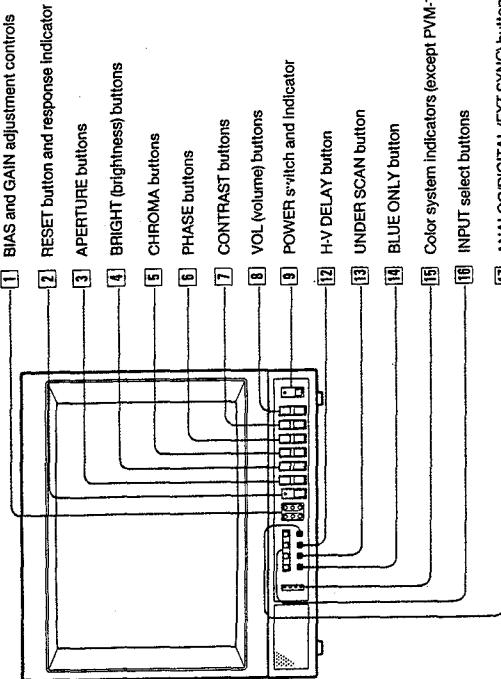
The aperture, brightness, chroma, phase, contrast and volume buttons can be adjusted by touching the buttons lightly. The adjusted settings will be stored in memory even when the monitor is turned off.

#### EIA standard 19-inch rack mounting

By using an optional MB-502A mounting bracket, the monitor can be mounted in an EIA standard 19-inch rack. An optional SLR-102 slide rail is also available. For details on mounting, see the appropriate instruction manual.

## 1-2. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front panel



**[1] BIAS and GAIN adjustment controls**

Used for white balance adjustment.

Gain and BIAS controls are provided for the R (red), G (green) and B (blue) screens.

**BIAS** Adjust the white balance and brightness of the scene at the lowlight with these controls.

**GAIN** Adjust the white balance and contrast of the scene at the highlight with these controls.

**[2] HV DELAY button**

Depress to observe the horizontal and vertical sync signals at the same time.

The horizontal sync signal is displayed in the left quarter of the screen; the vertical signal is displayed near the center of the screen.

**[3] UNDER SCAN button**

Depress for underscanning. The display size is reduced by approximately 3% so that four corners of the raster are visible.

**[4] BLUE ONLY button**

Depress to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and observation of VCR noise.

\*"Phase" control adjustment is effective only for the NTSC signals.

**[5] Color system Indicators**

The indicator of the color system being received lights up in red.

**[2] RESET button and response Indicator**

Press to return the PHASE, CHROMA, BRIGHT and APERTURE control settings to the factory set levels.

The response indicator flashes when the above buttons or the RESET button is pressed.

**[3] APERTURE buttons**

Press + for more sharpness or - for less.

**[4] BRIGHT (brightness) buttons**

Press + for more brightness or - for less.

**[5] CHROMA buttons**

Press + for more color intensity or - for less.

**[6] PHASE buttons**

This button is effective only for the NTSC358 and NTSC43 color system.

Press GRN (green) to make the skin tones greenish or PUR (purple) to make them purplish.

**Note**

The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of analog RGB or digital RGB signals.

**[7] CONTRAST buttons**

Press + to make the contrast, color intensity and brightness stronger or - to make them weaker.

**[8] VOL (volume) buttons**

Press + for more volume or - for less.

**[9] POWER switch and Indicator**

Depress to turn the monitor on. The indicator will light up in green.

Press the switch again to turn the monitor off.

**[12] HV DELAY button**

Depress to observe the horizontal and vertical sync

signals at the same time.

The horizontal sync signal is displayed in the left quarter

of the screen; the vertical signal is displayed near the

center of the screen.

**[13] UNDER SCAN button**

Depress for underscanning. The display size is reduced by approximately 3% so that four corners of the raster are visible.

**[14] BLUE ONLY button**

Depress to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and observation of VCR noise.

**[15] Color system Indicators**

The indicator of the color system being received lights up

in red.

**[16] INPUT select buttons**

Press to select the program to be monitored.

A: for a signal fed through the LINE A connectors.

B: for a signal fed through the LINE B connectors.

Y/C/NTSC: for a signal fed through the Y/C-INPUT

connectors or VTR connector.

When both the Y/C-INPUT and VTR connectors are

connected to video equipment, the input signal feed

through the Y/C-INPUT connector has priority over the

one fed through the VTR connector.

RGB: for a signal fed through the ANALOG RGB

connectors or DIGITAL RGB connector.

**[17] ANALOG/DIGITAL (EXT SYNC) button**

This button functions as ANALOG/DIGITAL selector and EXT SYNC selector.

**As ANALOG/DIGITAL selector**

Depress to monitor a signal fed through the ANALOG

RGB connectors.

Release to monitor a signal fed through the DIGITAL RGB

connector.

**For EXT SYNC selector**

Depress to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel (EXT).

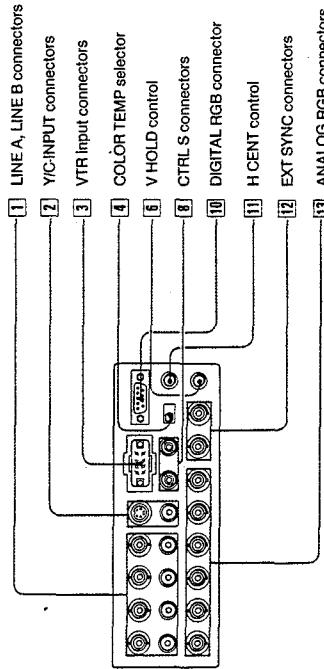
Release to operate the monitor on the sync signal from the displayed composite video signal (INT).

#### PICTURE ADJUSTMENT Buttons

The picture adjustment buttons of each monitor operate in the following input mode (indicator as "Yes")

Model	Input Mode	APERTURE	BRIGHT	CHROMA	PHASE	CONTRAST	VOL
PVM-1543MD/	LINE A, LINE B • Y/C	Yes	Yes	Yes	Yes (NTSC only)	Yes	Yes
PVM-1542Q/	Analog RGB						
PVM-1541	Digital RGB	No	Yes	No	No	Yes	No
	Analog RGB						

#### Rear panel



#### 1 LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.

To monitor the input signal fed through these connectors, press the A or B input select button on the front panel.

**VIDEO IN (BNC type):** Connect to the video output of a video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

**VIDEO OUT (BNC type):** Loop-through output of the VIDEO IN connector. Connect to the video input for a VCR or another monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

**AUDIO IN (phone jack):** Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

**AUDIO OUT (phone jack):** Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

#### 2 Y/C INPUT connectors (4-pin DIN)

VIDEO: Connect to the Y/C separate output of a video camera or a VCR.

AUDIO: Connect to the audio output of a video camera or a VCR.

To monitor the input signal fed through these connectors, press the Y/C/AVTR button on the front panel.

#### 3 VTR Input connectors (8-pin)

Line input for the video and audio signals. When connected to the 8-pin TV connector of a VCR, the video and audio playback signal from the VCR can be connected with a single cable.

To monitor the input signal fed through this connector, press the Y/C/AVTR button on the front panel, with the Y/C INPUT connectors connected to no outputs.

When both VTR and Y/C INPUT connectors are connected to video equipment, the input signal fed through the Y/C INPUT connectors has priority over the one fed through the VTR connectors.

#### 4 COLOR TEMP (temperature) selector

Select the color temperature position, 9300°K or 6500°K.

#### 5 V HOLD (vertical hold) control

Turn to stabilize the picture if it rolls vertically.

#### 6 CTRL S (control S) connectors (mini-jack)

For remote control of the APERTURE, BRIGHT, CHROMA, PHASE, CONTRAST and VOL control buttons. IN: Connect to the "Control S" output of other equipment.

OUT: Connect to the CTRL S IN connector of another monitor by using a connecting cord (miniplug ←→ miniplug).

#### 7 DIGITAL RGB connector (8-pin)

Connect with a microcomputer having a digital (TTL level) RGB video output.

To monitor the input signal fed through this connector, press the RGB button and keep the ANALOG/DIGITAL (EXT SYNC) button released.

#### Note

For connection, be sure to use an optional SMF-520 connecting cable.

#### 8 H CENT (horizontal centering) control

When a digital RGB signal is monitored, turn to center the picture if it is decentered.

#### 9 EXT SYNC (external sync) connectors (BNC type)

IN: Connect to the output of a sync generator.

To monitor the sync signal fed through this connector, depress the ANALOG/DIGITAL (EXT SYNC) button.

OUT: Loop-through output of the SYNC IN connector. Connect to the SYNC IN of a video camera.

When the cable is connected to this connector, the 75-ohms termination of the input is released, and the signal input to the IN connector is output from this connector.

#### 10 ANALOG RGB connectors (BNC type)

R/G/B IN: Connect to the analog R/G/B outputs of a video camera.

To monitor a signal fed through these connectors, press the RGB button and depress the ANALOG/DIGITAL (EXT SYNC) button.

R/G/B OUT: Loop-through outputs of the R/G/B IN connectors. Connect to the analog R/G/B inputs of a video camera.

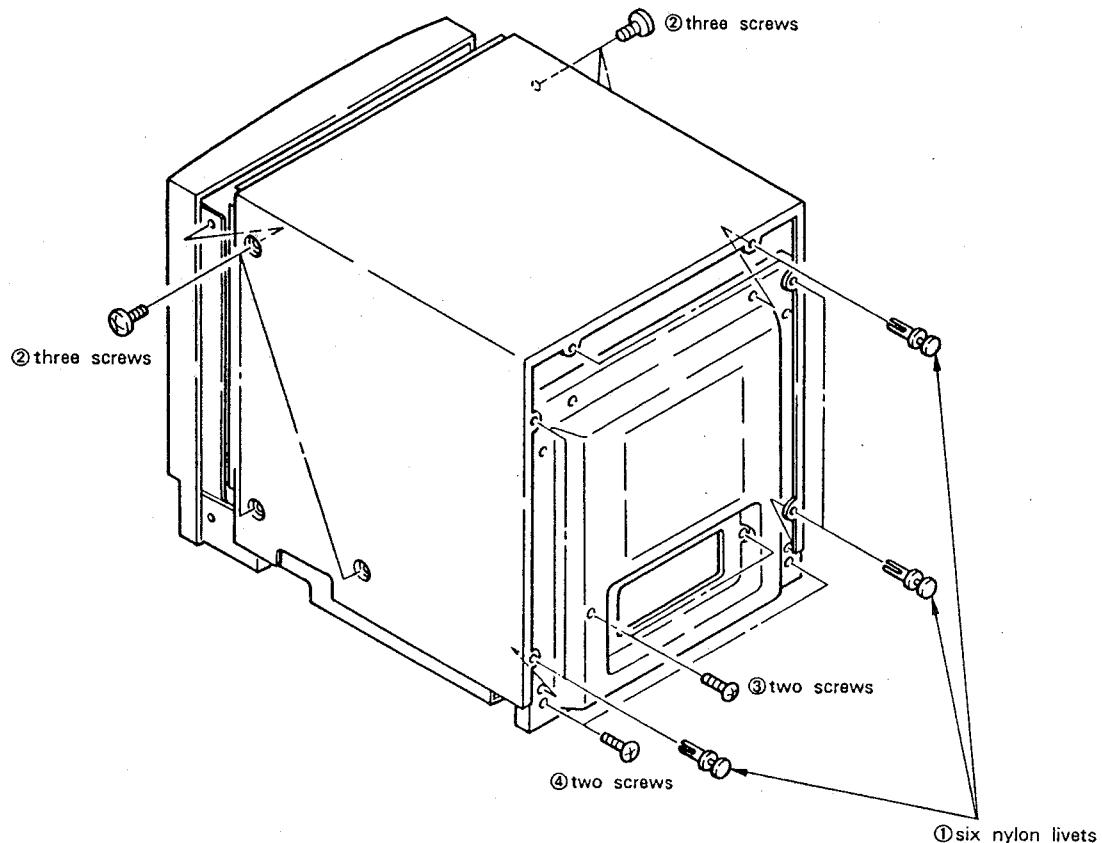
When the cable is connected to these connectors, the 75-ohms termination of the input is released, and the signal input to the RGB OUT connector is output from these connectors.

**MEMO**

## SECTION 2

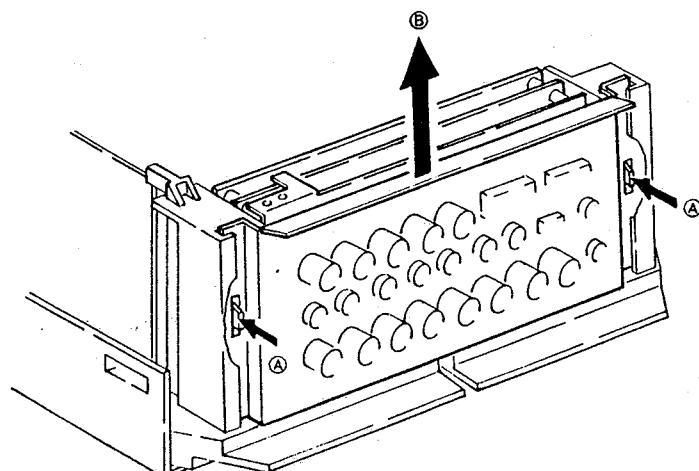
### DISASSEMBLY

#### 2-1. REAR COVER AND TOP COVER REMOVAL



#### 2-2. TERMINAL BOARD REMOVAL

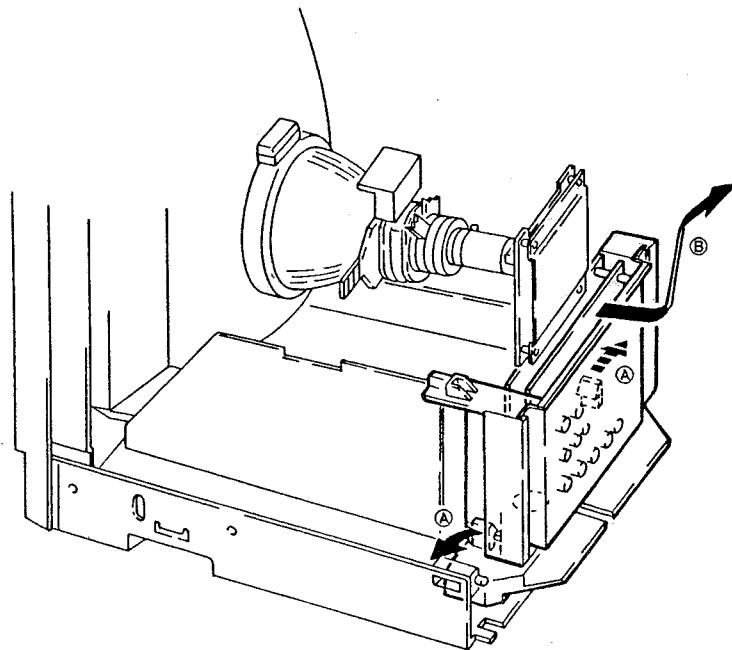
Note : When you remove terminal board, pull out A board a short distance.



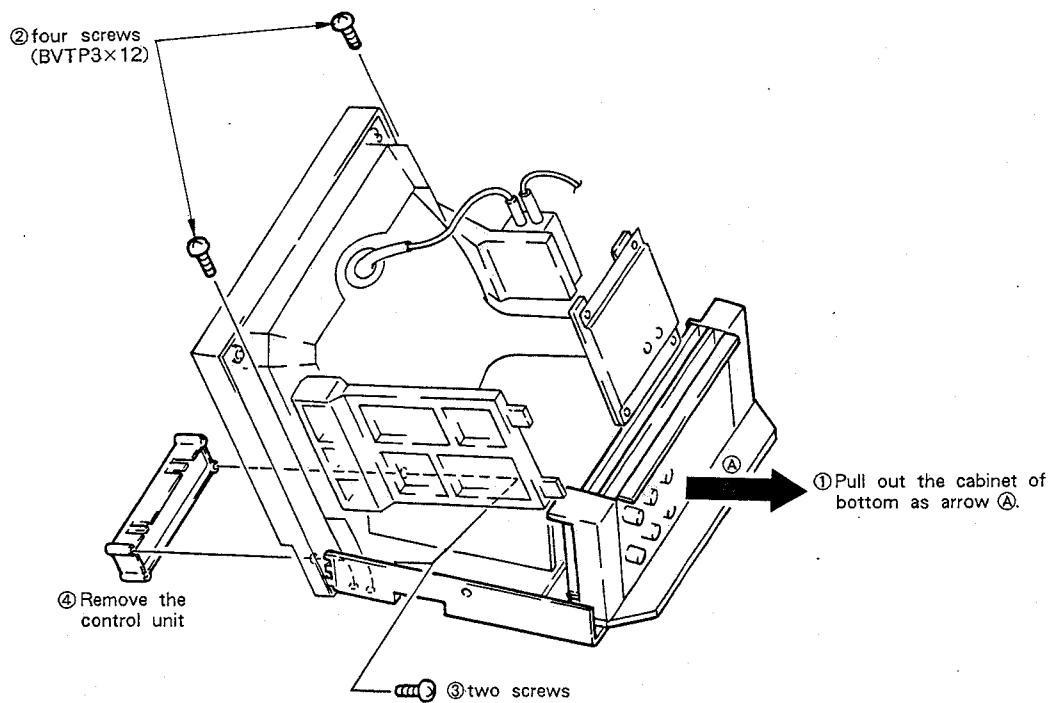
① Remove the terminal board as arrow ② while push the two claws as arrow ④.

## 2-3. BRACKET OF TERMINAL BOARD REMOVAL

① Remove the bracket of terminal board as arrow ⑧ while extend two claws as arrow ⑨.



## 2-4. CONTROL UNIT REMOVAL



## 2-5. PICTURE TUBE REMOVAL

## NOTE : Caution for ANODE CAP installation.

When you replace PICTURE TUBE or FBT, remove RTV on ANODE CAP so that PICTURE TUBE and FBT can be separated. Please adhere picture tube and anode cap in accordance with the following procedure.

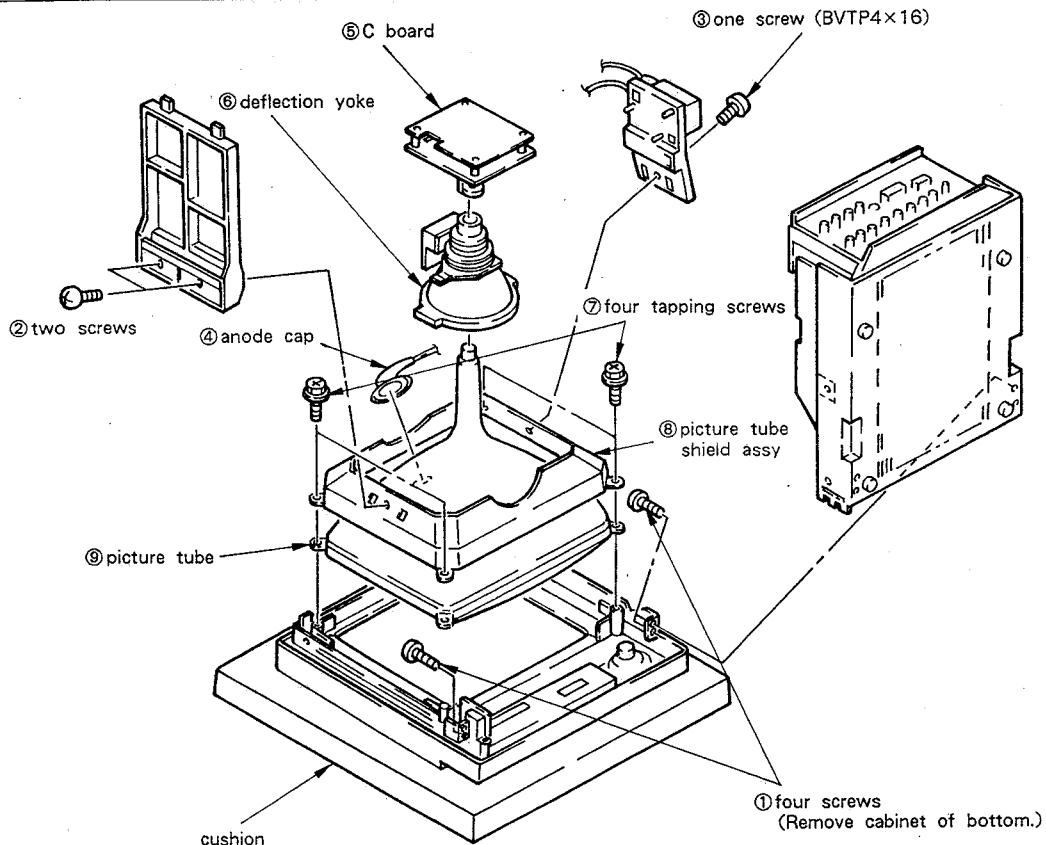
## ADHERING PROCEDURE OF ANODE CAP.

1. Clean PICTURE TUBE ANODE CAP with ethanol to remove original RTV.
2. Dry clean face with air.

3. Use KE-490RTV (RTV silicone adhesive, SHIN-ETSU CHEMICAL).

Part. No.	Description
7-322-065-19	Silicone (RTV) KE-490W

4. Install ANODE CAP.
5. Adequately apply RTV to the entire picture tube anode area, place the anode cap onto the picture tube and push it down securely so that no air pockets remain beneath the cap.
6. Dry more than 12 hours at room temperature.



## ANODE CAP REMOVAL

## • Removing Procedures

- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a).
- ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b).
- ③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c).

## SECTION 3

### SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted:

CONTRAST control ..... 80%

BRIGHTNESS control ..... 50%

Perform the adjustments in order as follows:

3-1. Beam Landing

3-2. Convergence

3-3. Focus

3-4. White Balance

**Note:** Test Equipment Required.

1. Color Bar/Pattern Generator

2. Degausser

3. Color Analyzer (Minolta)

4. Luminance Level Meter

5. Oscilloscope

#### Precaution

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

#### 3-1. BEAM LANDING

1. Receive an entirely white signal with the pattern generator.
- CONTRAST ..... MAX.
- BRIGHTNESS ..... set easy to observe
2. Adjust the focus and the horizontal convergence roughly.
3. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig. 3-1.
4. Switch over the pattern generator to green.
5. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and blue and red are at the sides, evenly. (Fig. 3-2)
6. Move the deflection yoke forward, and adjust so that the entire screen becomes green. Repeat 5 to 7 as to red and blue.
7. When landing at the corners is not right, correct by using the magnet. (Fig. 3-3)
8. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.

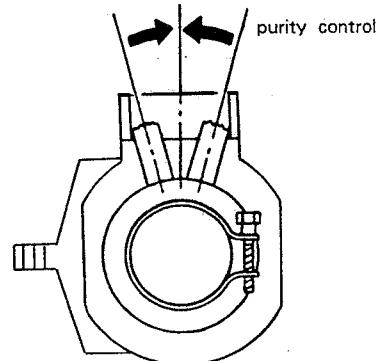
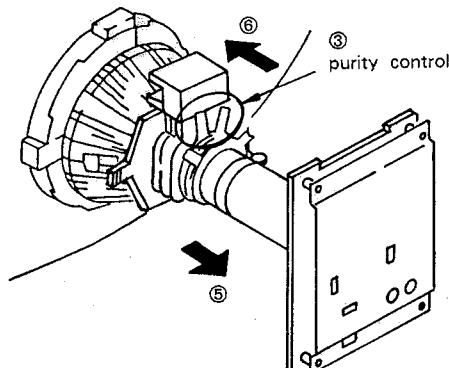


Fig. 3-1

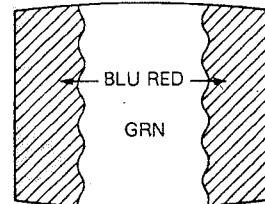


Fig. 3-2

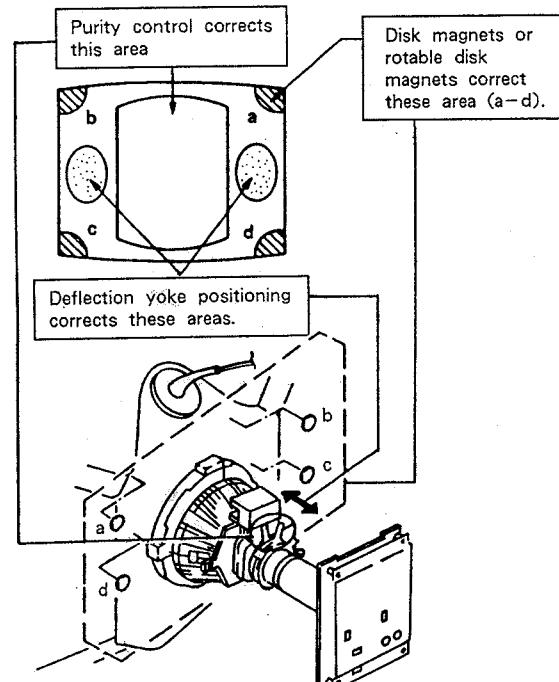


Fig. 3-3

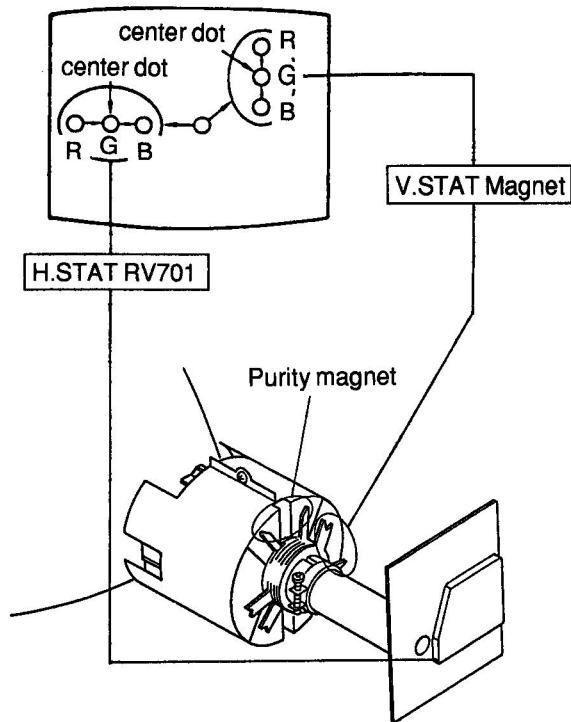
## 3-2. CONVERGENCE

### (1) Horizontal and vertical Static Convergence Adjustment on the Center of Screen.

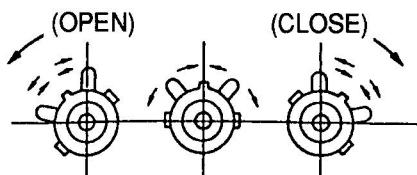
- Before starting, perform V. SIZE, V. CENT, H.SIZE, H.CENT and Screen Distortion Adjustment rightly.

#### (Static Convergence Adjustment)

- Receive a dot signal, setting BRIGHTNESS minimum and set CONTRAST to normal.
- Adjust H.STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
- Adjust V.STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)

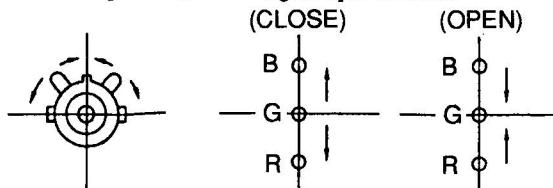


- If the red, green and blue dots do not coincide on the center of screen with H.STAT VR, perform adjustment using V.STAT at the same time while tracking.  
(Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.)

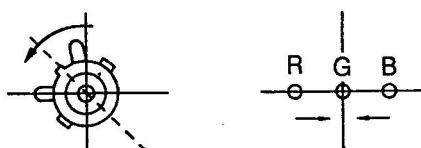


- When the V.STAT magnet is moved in the direction of arrow A and b, red, green and blue dots move as shown below.

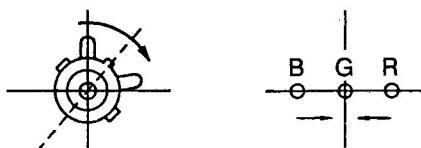
- When moving the V.STAT Magnet open or close.



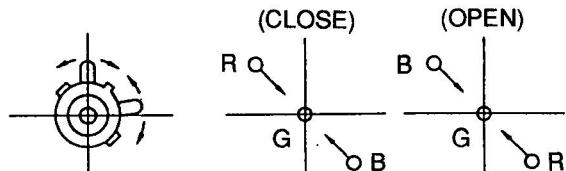
- When moving the V.STAT magnet counterclockwise.



- When moving the V.STAT magnet clockwise.



- When tilt the V.STAT magnet and open or close.

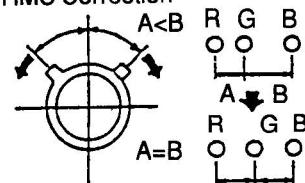


- If the red and green dots do not coincide with blue dot, adjustment with BMC (6-poles) magnet.

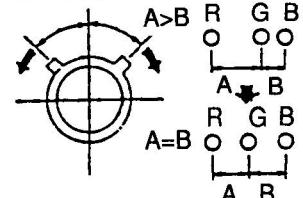
- HMC and VMC correction for BMC (6-Poles) magnet.

- HMC (Horizontal Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.

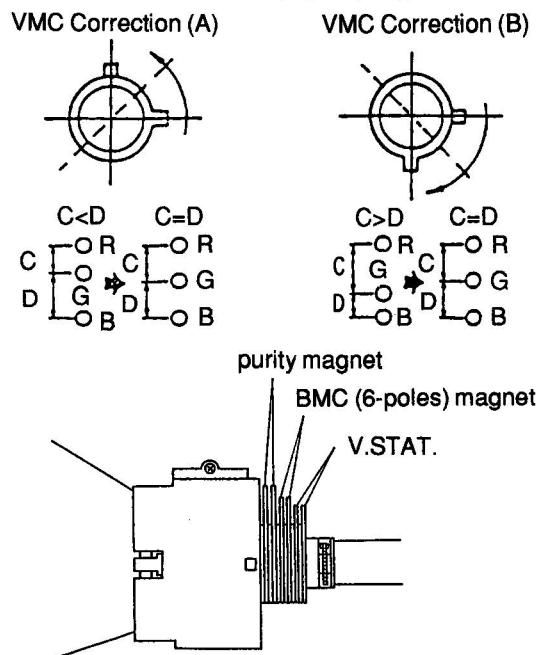
#### HMC Correction



#### HMC Correction

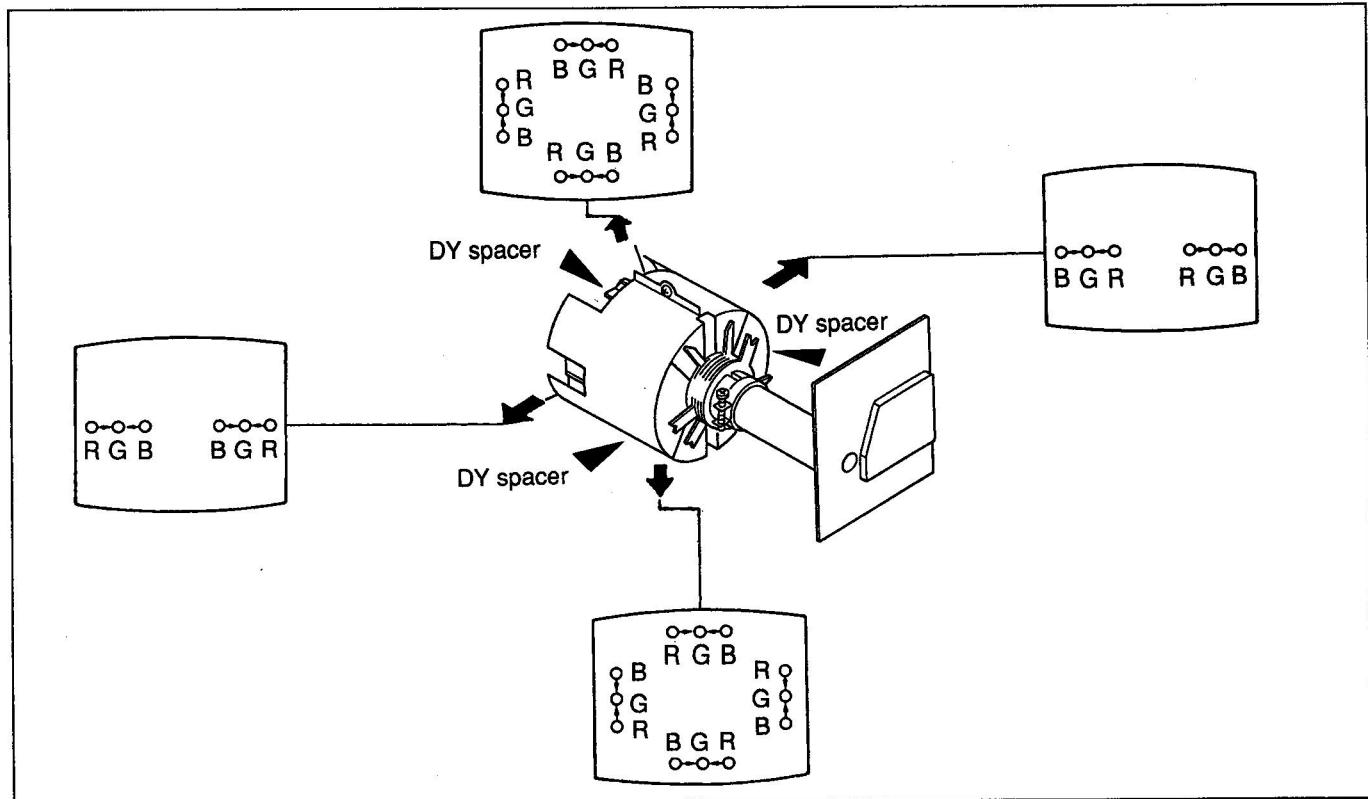


② VMC (Vertical Misconvergence) correction and motion of the Electron Beam with the BMC (6-poles) magnet.

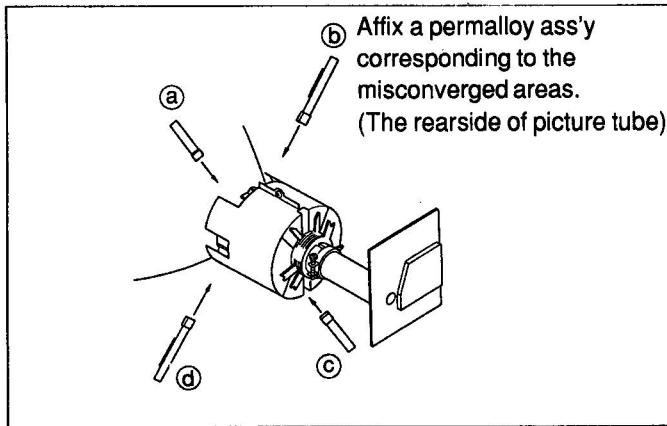
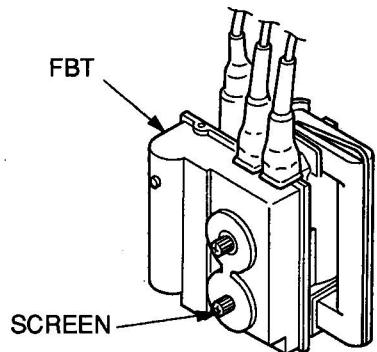
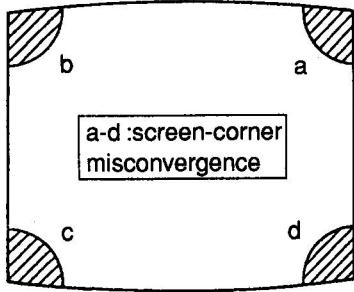


**(2) Horizontal and Vertical Dynamic Convergence Adjustment at the Environs of the Screen (Dynamic Convergence Adjustment)**

1. When there is misconvergence at the sides of screen, adjust for best convergence as follows by moving the deflection yoke.
2. Loosen deflection yoke screw. Remove deflection yoke spacers. Move the deflection yoke for best convergence. Tighten the deflection yoke screw. Install three deflection yoke spacers.

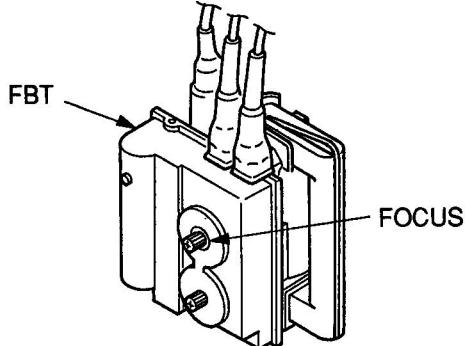


### Screen-corner Convergence



### 3-3. FOCUS

1. Receive the broadcast.
2. CONTRAST → Normal
3. Adjust FOCUS control so that the focus on the center of screen becomes to the best.



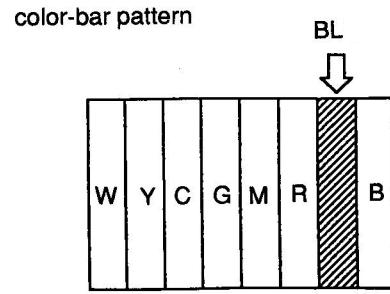
### 3-4. WHITE BALANCE

#### [Screen (G2) Voltage Adjustment]

1. Receive a dot signal with the pattern generator.
2. Adjust R. G. B cut-off controls so that respective cathode voltage against ground becomes 103V DC.
3. Observing the screen, adjust SCREEN control so that the background of the dot signal is bright dimly.

#### [White Balance]

1. Receive a color-bar pattern signal with the pattern generator. (Make black and white screen by chroma switch off.)
2. • BRIGHTNESS ..... 50%  
• CONTRAST ..... Minimum  
• CHROMA ..... 50%  
• DRIVE control ..... Mechanical center  
• BKG control ..... Mechanical center
3. Adjust RV118 (SUB BRT) on B board so that the blue stripe portion on the color-bar pattern signal is bright dimly.

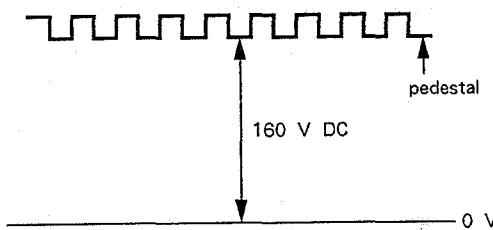


4. Receive an entirely white signal from the pattern generator.
5. CONTRAST ..... 70% (90 degree clockwise from mechanical center.)
6. Using the luminance level meter, adjust the luminance level of the pattern generator becomes 3 Nits. (The condition the screen is bright dimly.)
7. Adjust white balance at cut-off using RV119 (G-C/O) and RV121 (B-C/O).
8. Change the all-white signal luminance level to 100 IREs.
9. Adjust white balance at high-light using RV120 (G-GAIN) and RV121 (B-GAIN).
10. Change the unit to blue ONLY mode.
11. Adjust white balance (at high-light) in blue ONLY mode using RV124 \*R-GAIN/BL and RV125 (G-GAIN/BL).
12. Using the luminance level meter, adjust the luminance level of the pattern generator becomes 8 Nits. Confirm that white balance at cut-off is satisfactory..

### 3-4. WHITE BALANCE

#### (Screen (G2) Voltage)

1. Receive a dot signal with the pattern generator.
2. Switch over COLOR TEMP to 6500° K.
3. Using oscilloscope, adjust with RV1710 (SUB BRT) on V board so that the green cathode voltage against ground becomes 160 V DC.
4. Similarly, adjust with RV1704 (B BKG) and RV1705 (R BKG) on V board so that the blue and red cathode voltages become 160 V DC.

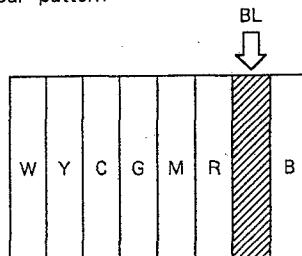


5. Observing the screen, adjust with RV709 (SCREEN) on C board so that the back-ground of the dot signal is bright dimly.

#### (White Balance)

1. Receive a color-bar pattern signal with the pattern generator, and to make black and white screen by chroma switch off.
2. • BRIGHTNESS ..... 50%  
• CONTRAST ..... Minimum  
• CHROMA ..... 50%  
• DRIVE volume (V BOARD) ..... mechanical center  
• BKG volume (V BOARD) ..... mechanical center
3. Adjust RV1710 (SUB BRIGHT) so that the blue stripe portion on the color-bar pattern signal is bright dimly.

color-bar pattern



4. Receive an entirely white signal from the pattern generator.
5. CONTRAST ..... 70%
6. Using the luminance level meter, adjust the luminance level of the pattern generator becomes 8 Nit. (The condition the screen is bright dimly.)

7. Adjust with the color analyzer the white balance.
8. Reset the luminance level of the pattern generator, and adjust the white balance. (High light condition.)

**MEMO**

## SECTION 4

### SAFETY RELATED ADJUSTMENTS

#### **B+ MAX CONFIRMATION (☒ R690)**

The following adjustments should always be performed when replacing the following components (marked with  on the schematic diagram).

on F board : IC601, IC602, IC651, D654, D655, C658, C659, R634, R652, R653, R654, R655, R656, R657, R665, R671, R690, RV601

1. Supply  $130 \pm 5.0$  V AC to with variable auto-transformer.
2. Receive a dot signal.
3. • CONTRAST ..... Minimum  
• BRIGHTNESS ..... Minimum
4. Connect a digital multimeter to TP91.
5. Confirm the voltage of TP91 is less than 118.2 V DC when rotate RV601 on F board fully clockwise.
6. If step 5 is not satisfied, readjustment should be performed by altering the resistance value of R690 (☒).
7. Receive a dot signal.
8. Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
9. Adjust BRIGHTNESS and CONTRAST so that the current to  $70 \pm 30$   $\mu$ A.
10. Adjust RV601 on F board so that voltage of TP91 is  $115.5 \pm 0.3$  V DC.
11. Supply  $90 \pm 5.0$  V AC to with variable auto-transformer.
12. Receive entire white signal.
13. • CONTRAST ..... Maximum  
• BRIGHTNESS ..... Maximum
14. Confirm the voltage of TP91 is more than 113.0 V DC.

#### **CONFIRMATION WHEN REPLACING H.V.R (High Voltage Resistor)**

The following adjustment should be confirm the output voltage when replacing HVR.

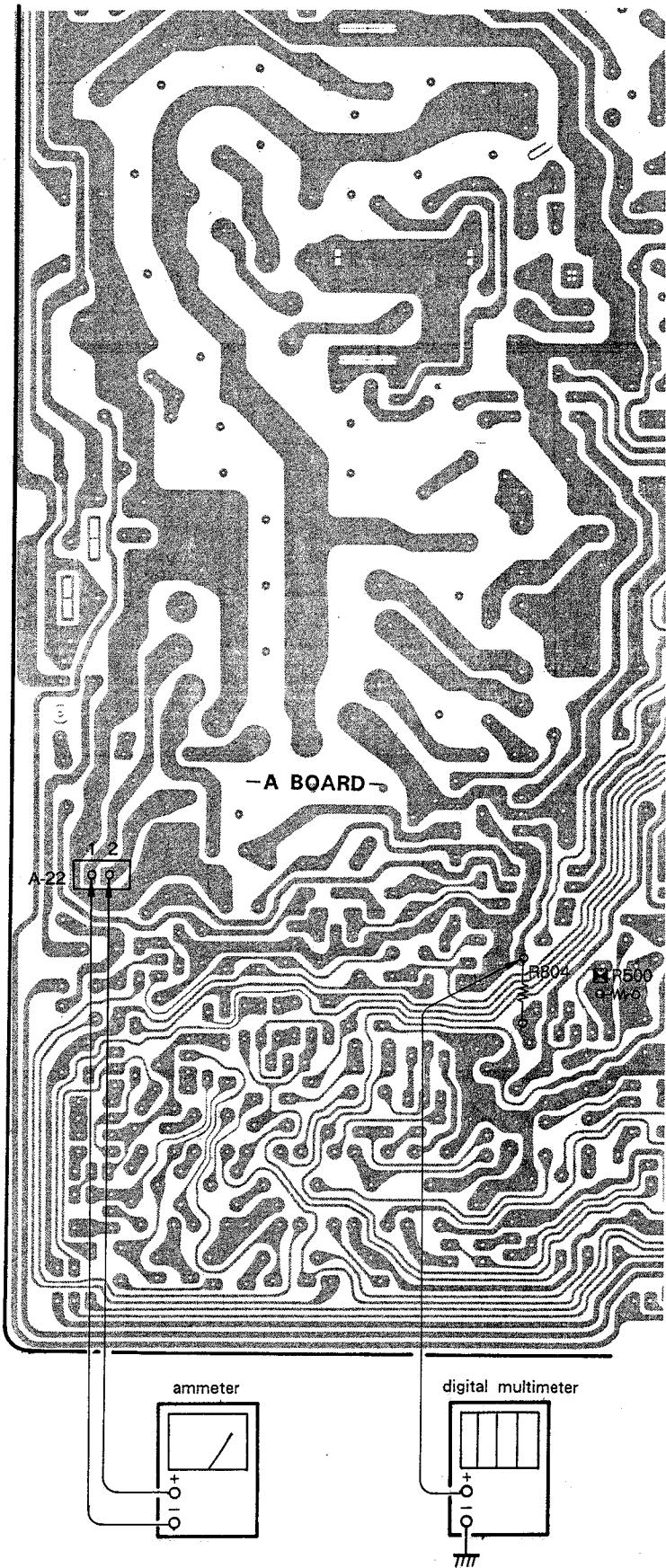
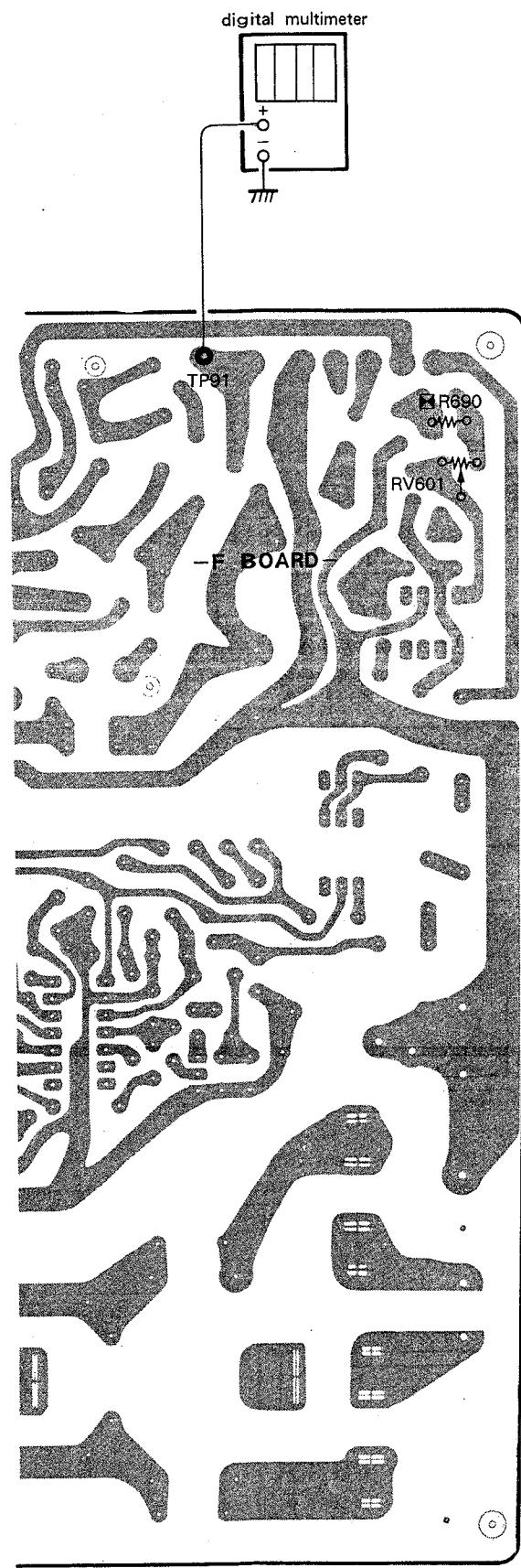
1. Receive an entire white signal.
2. • CONTRAST ..... Maximum  
• BRIGHTNESS ..... Maximum
3. Connect a digital multimeter to the A-20 connector side lead of R804.
4. Confirm the voltage is  $14.1 \pm 1.0$  V DC.

#### **☒ R500, CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS**

The following adjustments should always be performed when replacing the following components (marked with  on the schematic diagram).

on A board : IC501, Q503, Q504, Q505, Q506, D509, D510, C505, C520, C524, C525, C526, C527, C528, C529, C530, C531, R500, R506, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R528, R804, NL501, HVR

1. Receive an entire white signal.
2. • CONTRAST ..... Maximum  
• BRIGHTNESS ..... Maximum
3. Connect a digital multimeter to the A-20 connector side lead of R804.
4. Confirm the voltage is  $14.1 \pm 1.0$  V DC.
5. Receive a dot signal.
6. Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
7. Adjust BRIGHTNESS and CONTRAST so that the current to  $70 \pm 30$   $\mu$ A.
8. Apply an external DC voltage gradually to the A-20 connector side lead of R804, and when the voltage becomes  $16.4 \pm 0.1$  V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
9. With the same procedure of item 8, when the voltage becomes  $15.8 \pm 0.1$  V DC, confirm the HOLD-DOWN circuit doesn't operate.
10. Receive an entire white signal.
11. Adjust with BRIGHTNESS and CONTRAST volumes so that the current to  $600 \pm 40$   $\mu$ A.
12. Apply DC voltage to the A-20 connector side lead of R804, and when the voltage becomes  $15.8 \pm 0.1$  V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
13. With the same procedure of item 8, when the voltage becomes  $15.2 \pm 0.1$  V DC, confirm the HOLD-DOWN circuit doesn't operate.
14. When step 4 to 13 is not satisfied, readjustment should be performed by altering the resistance value of R500 (☒).

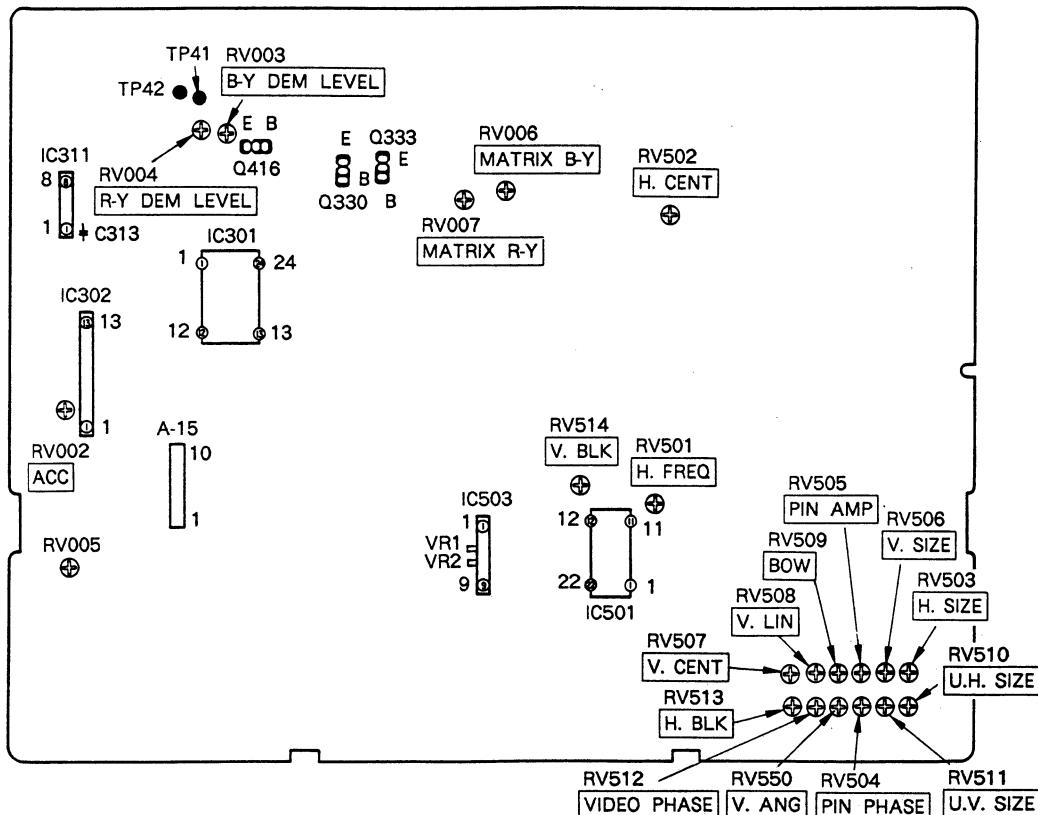


## **SECTION 5**

# **CIRCUIT ADJUSTMENTS**

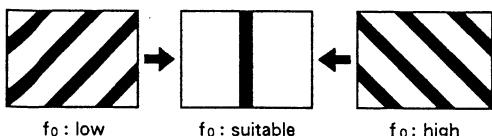
## 5-1. A BOARD ADJUSTMENTS

**-A BOARD (COMPONENT SIDE) -**



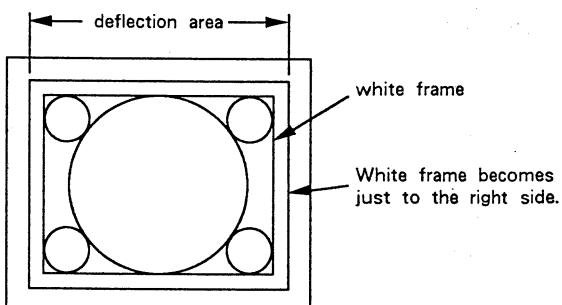
**HORIZONTAL OSCILLATION FREQUENCY  
ADJUSTMENT (RV501)**

1. Receive a monoscope signal.
2. Connect pin ① of IC501 to ground with 100  $\mu$  F / 16 V electrolytic capacitor.
3. Adjust RV501 so that the screen streaming stops.



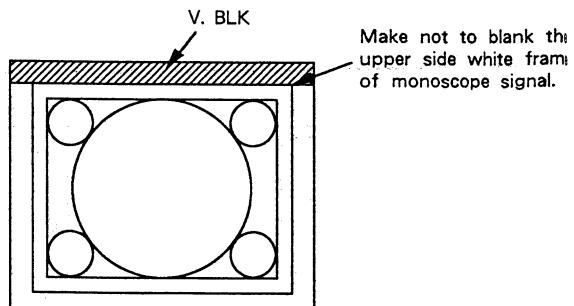
## H-V BLK ADJUSTMENTS (RV510, RV512, RV513, RV514)

1. Receive a monoscope signal.
2. Set U/S (Under Scan) switch to Under mode.
3. • CONTRAST ..... Minimum  
• BRIGHTNESS ..... Maximum
4. Adjust RV510 (U. H. SIZE) so that the white frame of monoscope signal becomes visible.
5. Adjust RV512 (Video Phase) so that the white frame of monoscope signal becomes to the right side just on the screen.



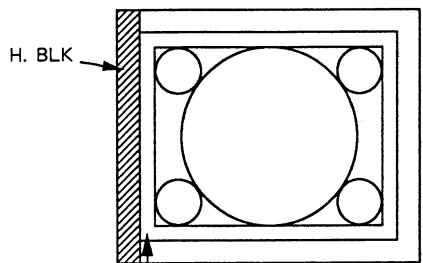
## 6. V. BLK Adjustment (BV514)

(1) Adjust RV514 (V. BLK) so that the upper side white frame of monoscope signal is not blanked.



## 7. H. BLK Adjustment (RV513)

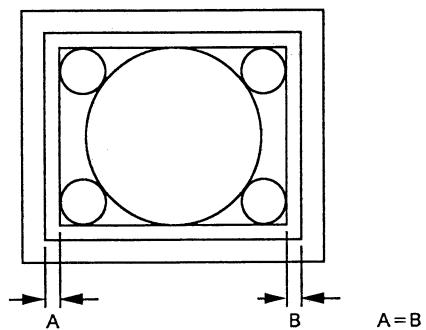
- Adjust with RV513 (H. BLK) so that the vertical line of the white frame of monoscope signal is blanked as following figure.



Make to blank the vertical line of the white frame of monoscope signal.

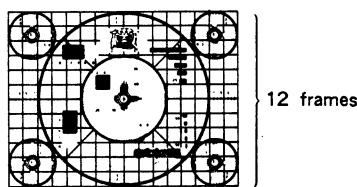
## 8. Screen Phase Adjustment (RV512)

- Adjust RV512 (Video Phase) so as to equalize the width of the white frame of monoscope signal on both sides of screen right and left.

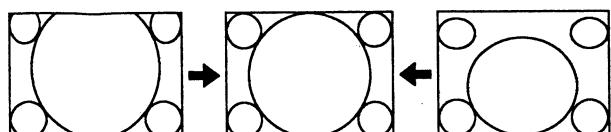


### VERTICAL DEFLECTION PART ADJUSTMENTS (RV506, RV507, RV508, RV511)

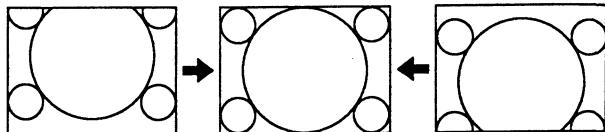
- Receive a monoscope signal.
- CONTRAST ..... 70%
- BRIGHTNESS ..... 50%
- Adjust RV506 (V. SIZE) so that the vertical size of monoscope signal becomes 12 frames.



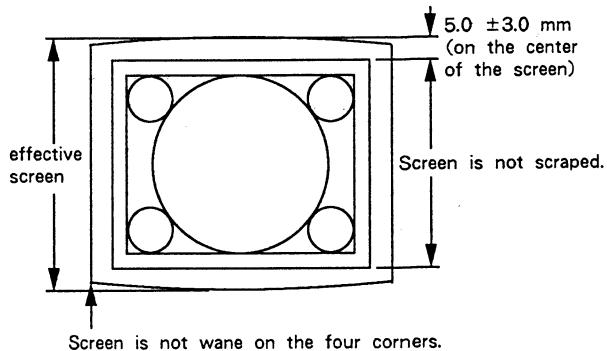
- Adjust RV508 (V. LIN) the vertical linearity.



- Adjust RV507 (V. CENT) the vertical position.



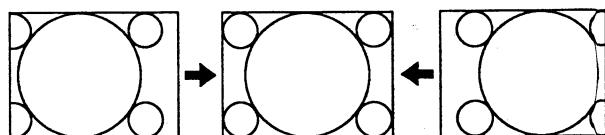
- Adjust RV506 (V. SIZE) so that the vertical size of monoscope signal becomes  $11.75 \pm 0.2$  frames.
- Set U/S (Under Scan) switch to Under mode.
- Adjust with RV511 (U.V. SIZE) as follows.



### HORIZONTAL DEFLECTION PART ADJUSTMENTS (RV502, RV503, RV504, RV505, RV509, RV510, RV550)

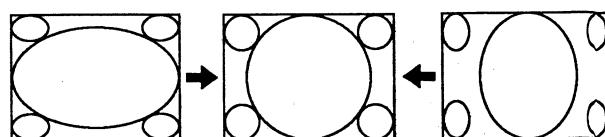
- Receive a monoscope signal.
- CONTRAST ..... 70%
- BRIGHTNESS ..... 50%
- H. CENT Adjustment (RV502)

- Adjust RV502 (H. CENT) the horizontal position.



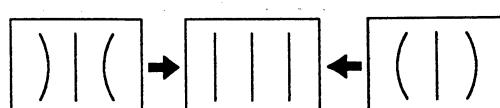
- H. SIZE Adjustment (RV503)

- Adjust RV503 (H. SIZE) the horizontal size.

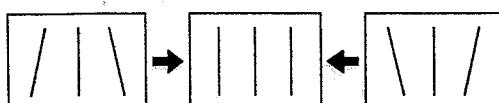


- PIN AMP, PIN PHASE, V. ANG, BOW Adjustments (RV505, RV504, RV509, RV550)

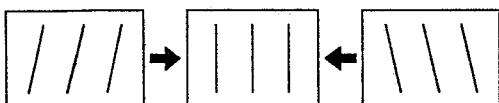
- PIN AMP (RV505)



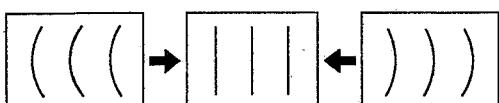
• PIN PHASE (RV504)



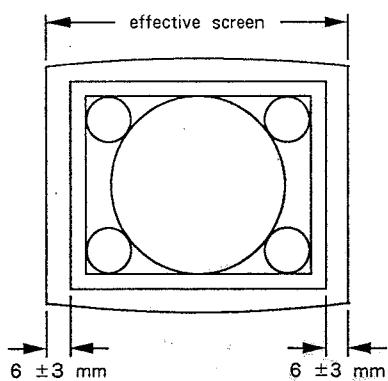
• V. ANG (RV550)



• BOW (RV509)

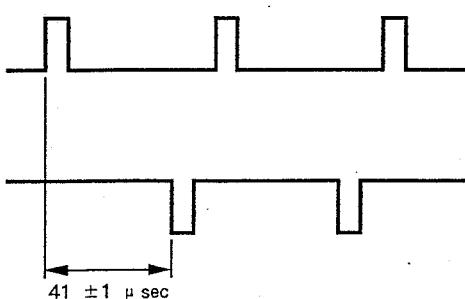


6. Adjust RV503 (H. SIZE) so that the horizontal size becomes  $15.75 \pm 0.2$  frames.
7. Set U/S (Under Scan) switch to Under mode.
8. Adjust RV510 (U.H. SIZE) the Under H. SIZE as follows.



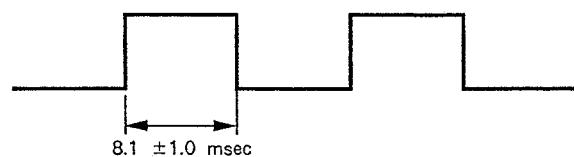
**H-V DELAY ADJUSTMENT (VR1, VR2)**

1. Receive a monoscope signal.
2. • CONTRAST ..... 70%
3. Set H-V DELAY switch to DELAY mode.
4. H. DELAY Adjustment (VR1)
  - (1) Connect an oscilloscope to pin ② (SYNC SEP) and pin ⑨ (H. SYNC) of IC503.
  - (2) Adjust VR1 of IC503 to become  $41 \pm 1 \mu\text{sec}$  as follows.



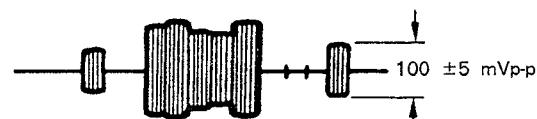
5. V. DELAY Adjustment (VR2)

- (1) Connect an oscilloscope to pin ⑩ of IC503.
- (2) Adjust VR2 of IC503 to become  $8.1 \pm 1.0 \text{ msec}$  as follows.



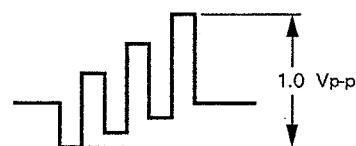
**ACC ADJUSTMENT (RV002)**

1. Receive a color-bar signal (EIA color-bar).
2. Connect an oscilloscope to the IC302 side lead of C313.
3. Adjust RV002 so that the burst signal level becomes  $100 \pm 5 \text{ mVp-p}$ .



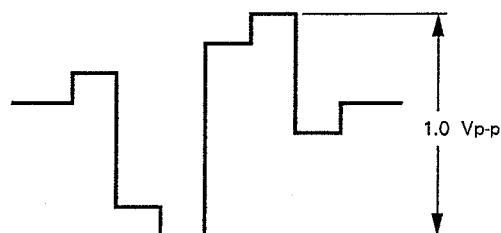
**B-Y DEM LEVEL ADJUSTMENT (RV003)**

1. Receive a color-bar signal (100% chroma color-bar).
2. Connect an oscilloscope to TP42 (B-Y).
3. Adjust RV003 so that the B-Y waveform becomes  $1.0 \text{ Vp-p}$ .



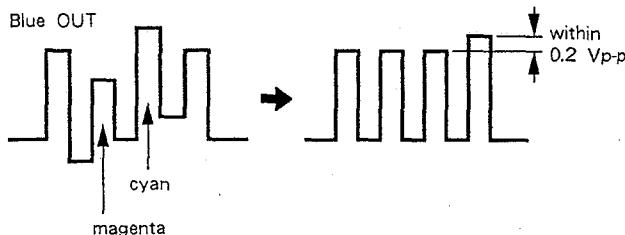
**R-Y DEM LEVEL ADJUSTMENT (RV004)**

1. Receive a color-bar signal (100% chroma color-bar).
2. Connect an oscilloscope to TP41 (R-Y).
3. Adjust RV004 so that the R-Y waveform becomes  $1.0 \text{ Vp-p}$ .

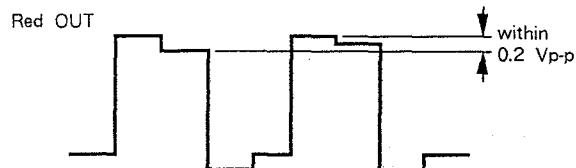


**MATRIX ADJUSTMENT (RV006, RV007)**

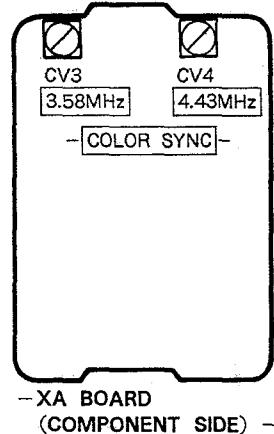
1. Receive a color-bar signal.  
 white peak : 75%  
 black level : 0%  
 chroma max. : 75%  
 chroma min. : 0%
2. CONTRAST ..... 70%
3. Connect an oscilloscope to pin ⑤ (B OUT) of A-15.
4. Adjust RV006 (B-Y) so that the BLUE OUT waveform becomes flat as following figure.



5. When there is difference between cyan portion and magenta portion, adjust with RV006 while tracking with PHASE volume for user control.
6. Connect an oscilloscope to pin ③ (R-Y) of A-15.
7. Adjust RV007 (R-Y) so that the RED OUT waveform becomes flat as following figure.

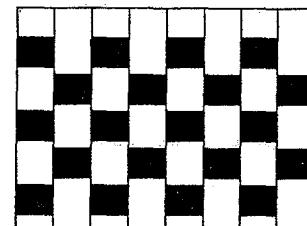


**5-2. XA BOARD ADJUSTMENT**



**COLOR SYNCHRONIZATION (CW) ADJUSTMENT (CV3, CV4)**

1. Short-circuit pins ⑨ and ⑩ of IC301 on A board.
2. Connect pin ③ of IC311 on A board to +12 V line via 4.7 kΩ resistor.
3. Short-circuit base and emitter of Q416 on A board.
4. 3.58 MHz Adjustment (CV3)
  - (1) Receive a color-bar signal (EIA color-bar).
  - (2) Adjust CV3 the color synchronization.



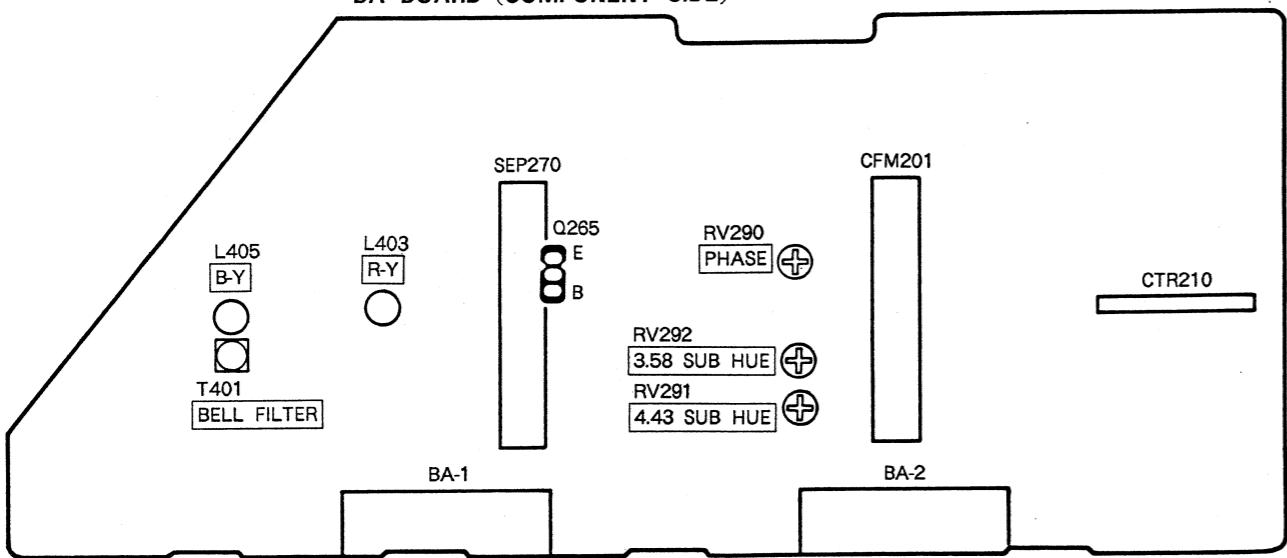
Adjust so that color stripes disappear and the hue change is stabilized extremery.

5. 4.43 MHz Adjustment (CV4)
  - (1) Receive a color-bar signal (EBU color-bar).
  - (2) Adjust CV4 the color synchronization.
6. Remove the short-circuit positions pins ⑨ and ⑩ of IC301 and base and emitter of Q416.

**CAUTION : This adjustment (XA board adjustment) should be made earlier than all adjustments of color.**

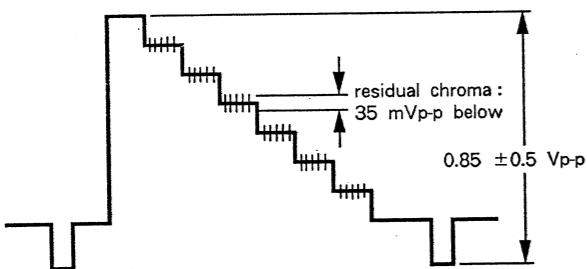
## 5-3. BA BOARD ADJUSTMENTS (PVM-1342Q, PVM-1343MD ONLY)

-BA BOARD (COMPONENT SIDE)-

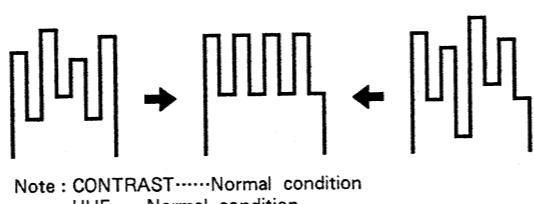


## NTSC 3.58 MHz ADJUSTMENT (RV292)

1. Receive NTSC 3.58 color-bar signal.
2. Connect an oscilloscope to pin ⑯ (COMPOSITE IN) of BA-2 connector.
3. Confirm the Y-OUT is  $0.87 \pm 0.5$  Vp-p.
4. Confirm the residual chroma is 35 mVp-p below. When it is above 35 mVp-p, adjust with RV1 and T1 inside CFM201 while tracking.

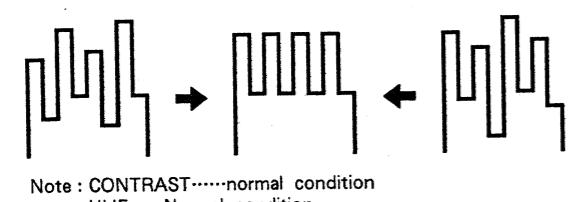


2. Confirm the voltage on pin ④ of CTR210 is above 5.0 V DC, and on pin ⑤ of CTR210 is below 0.1 V DC.
3. Connect an oscilloscope to pin ⑤ of A-15 connector.
4. Adjust RV291 (4.43 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.



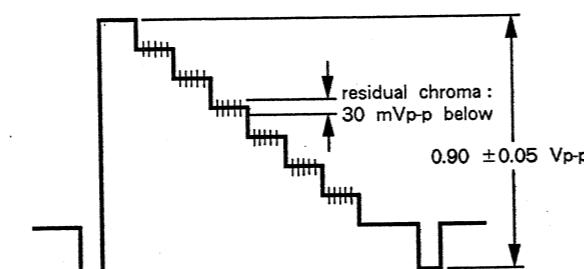
## PAL ADJUSTMENTS (RV290)

5. Connect an oscilloscope to pin ⑤ (B-OUT) of A-15 connector.
6. Adjust RV292 (3.58 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.



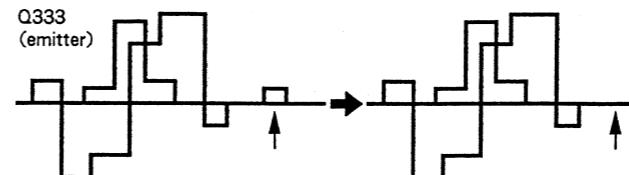
## NTSC 4.43 MHz ADJUSTMENT (RV291)

1. Receive NTSC 4.43 color-bar signal.

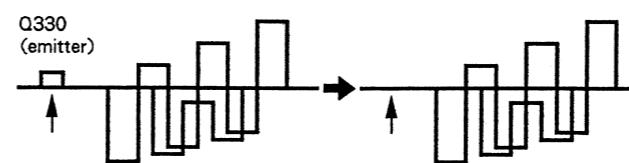


## 5. ANTI-PAL Adjustment (RV290)

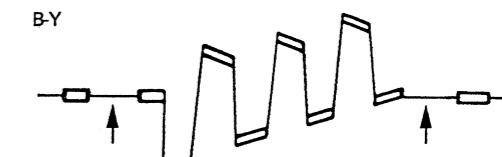
- 1) Receive the special PAL color-bar.
- 2) Connect an oscilloscope to emitter of Q333 on A board, and adjust RV290 (PHASE) so that R-Y anti-PAL portion becomes flat as following figure.



- 3) Connect an oscilloscope to emitter of Q330 on A board, and adjust RV2 inside SEP270 so that B-Y anti-PAL portion becomes flat as following figure.

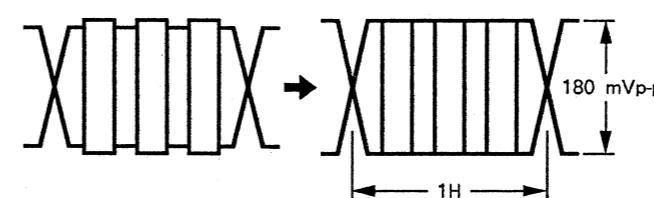


- 4) Adjust L405 (B-Y) so that the non-colored portion level becomes flat.



## SECAM ADJUSTMENTS (T401, L403, L405)

1. Receive SECAM color-bar.
2. Bell Filter Adjustment (T401)
  - (1) Connect an oscilloscope to emitter of Q265.
  - (2) Adjust T401 (Bell Filter) so that the chroma waveform becomes smooth.



## 3. Color Balance Adjustment (L403)

- (1) Connect an oscilloscope to pin ⑦ (R-Y) of BA-1 connector.
- (2) Adjust L403 (R-Y) so that the non-colored portion level becomes flat.

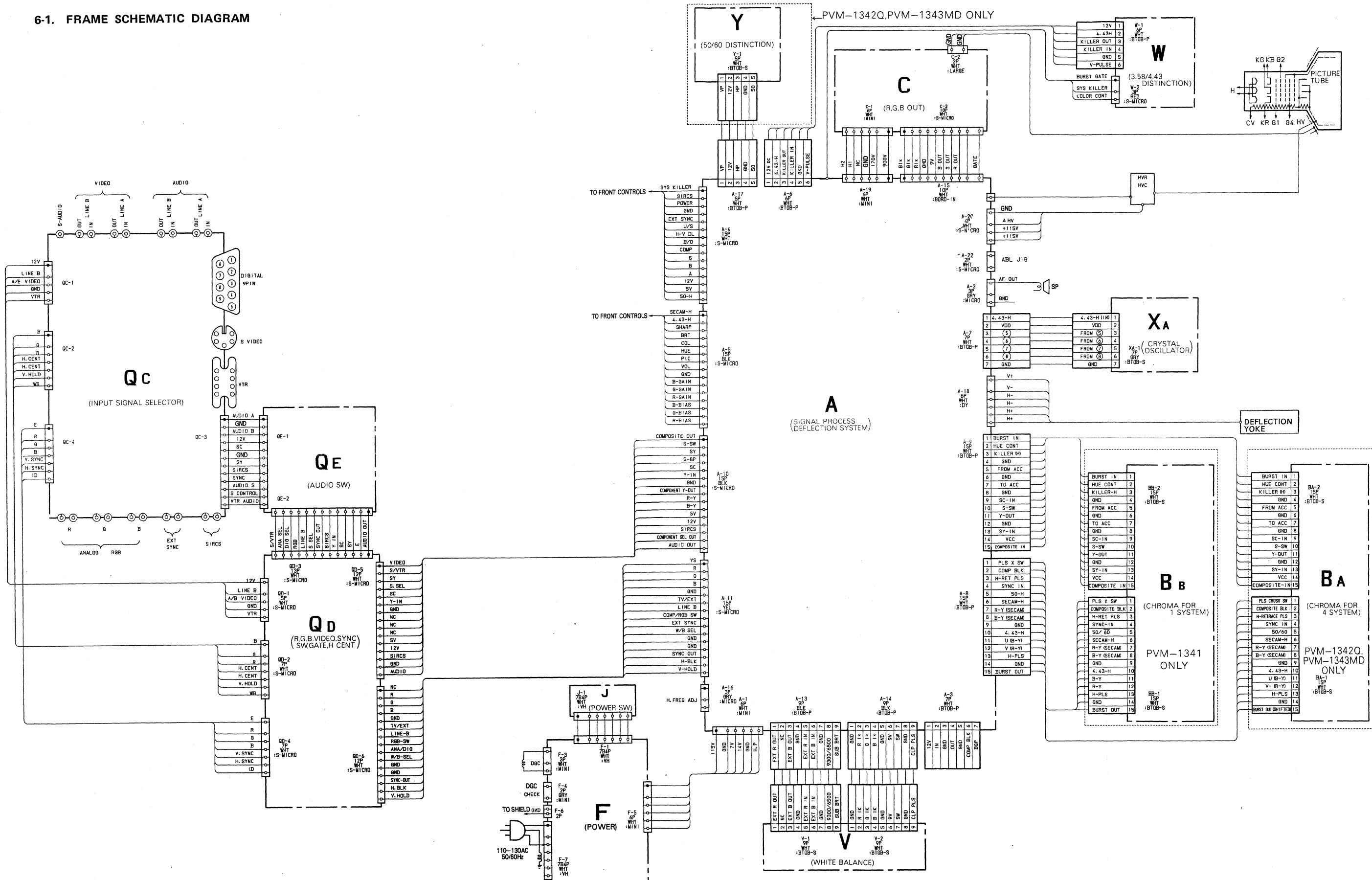


- (3) Connect an oscilloscope to pin ⑧ (B-Y) of BA-1 connector.

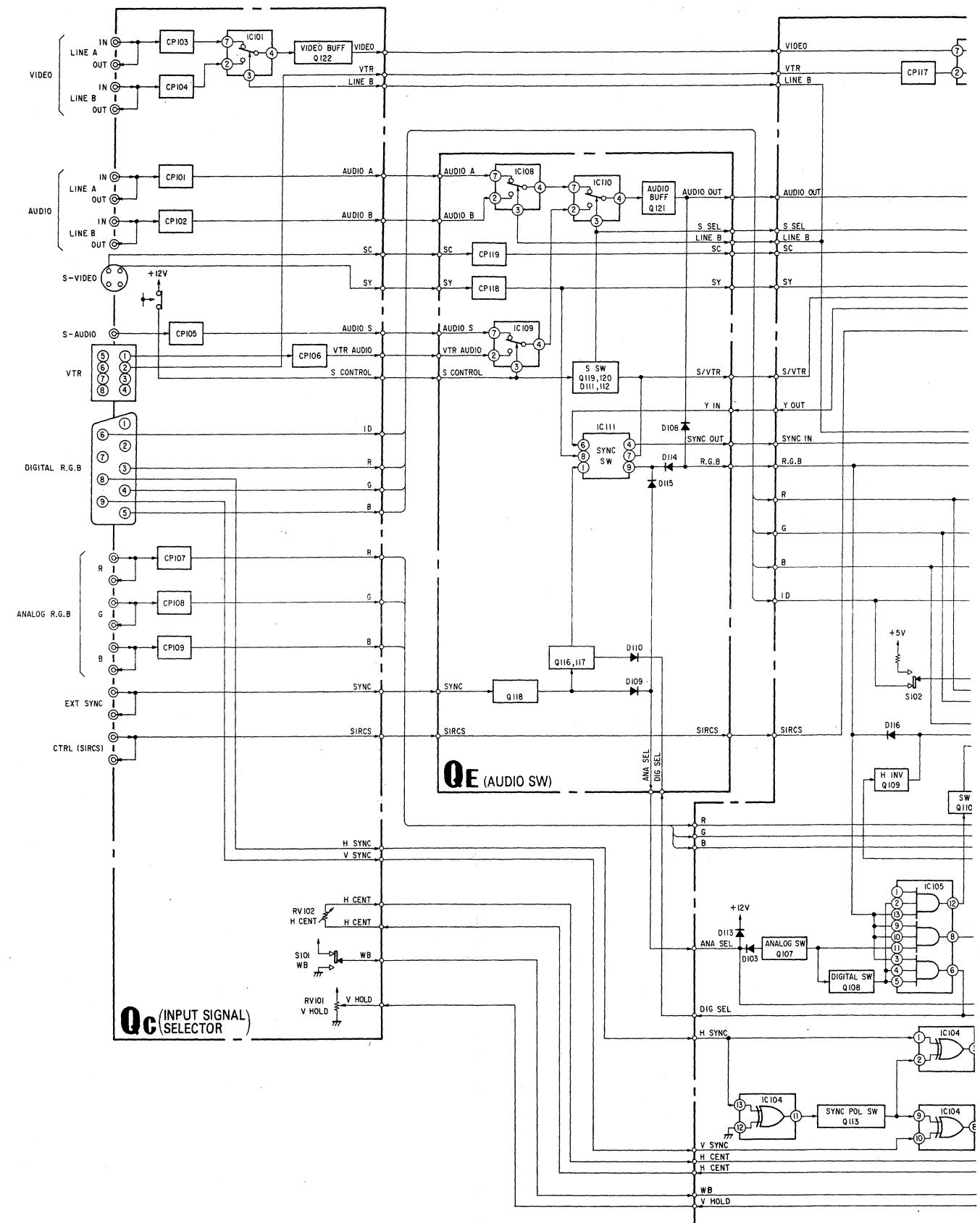
## SECTION 6

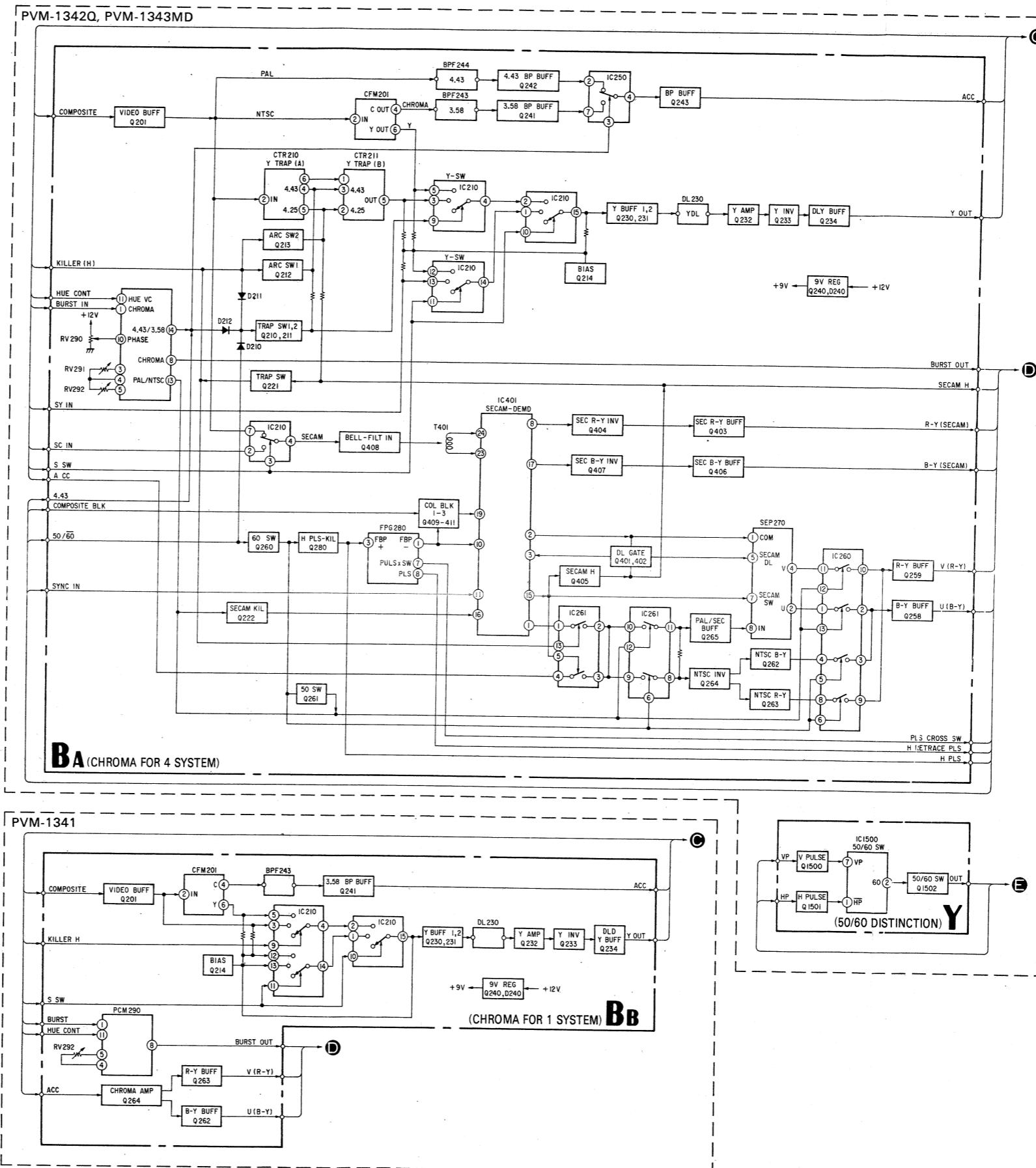
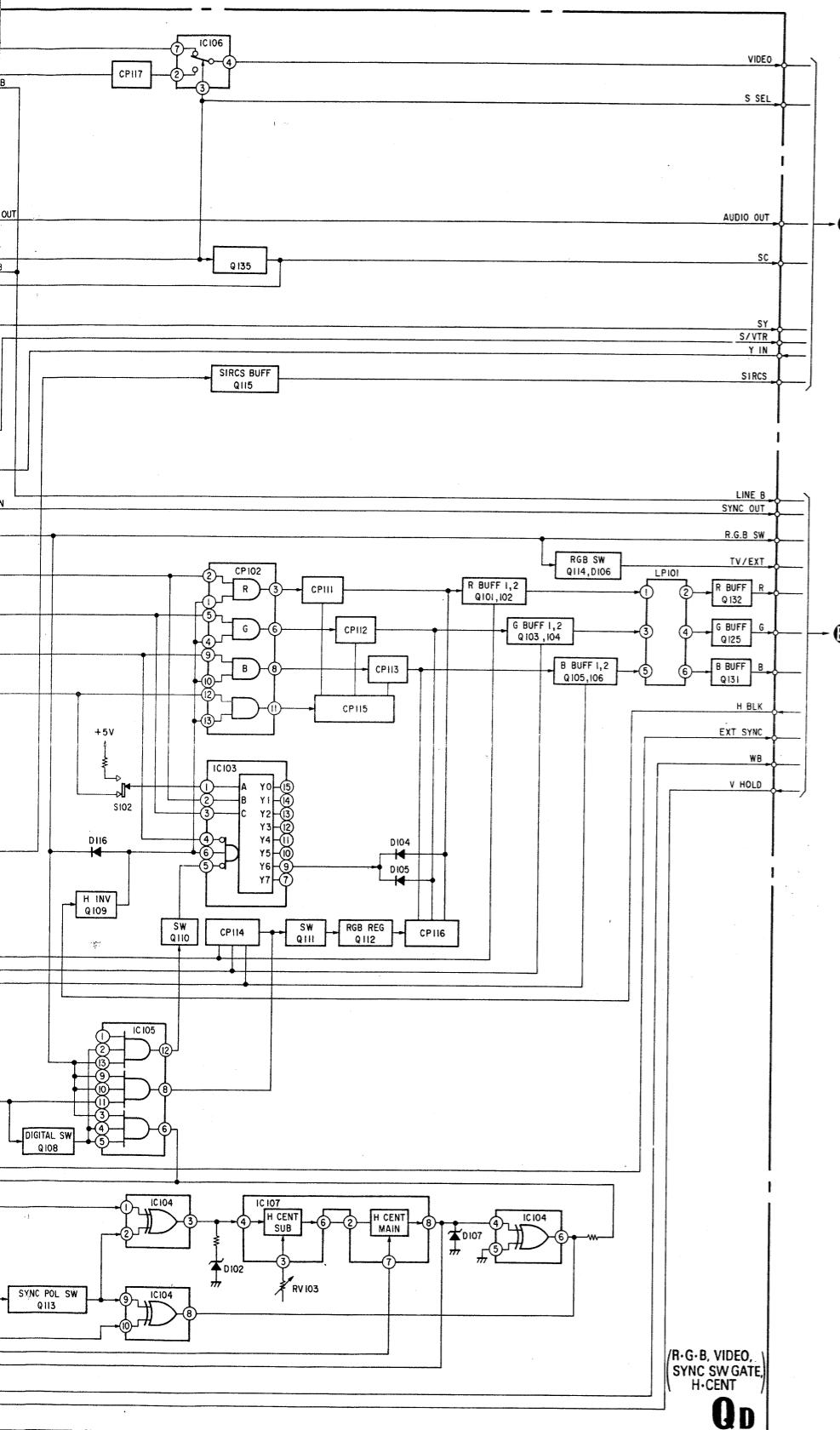
### DIAGRAMS

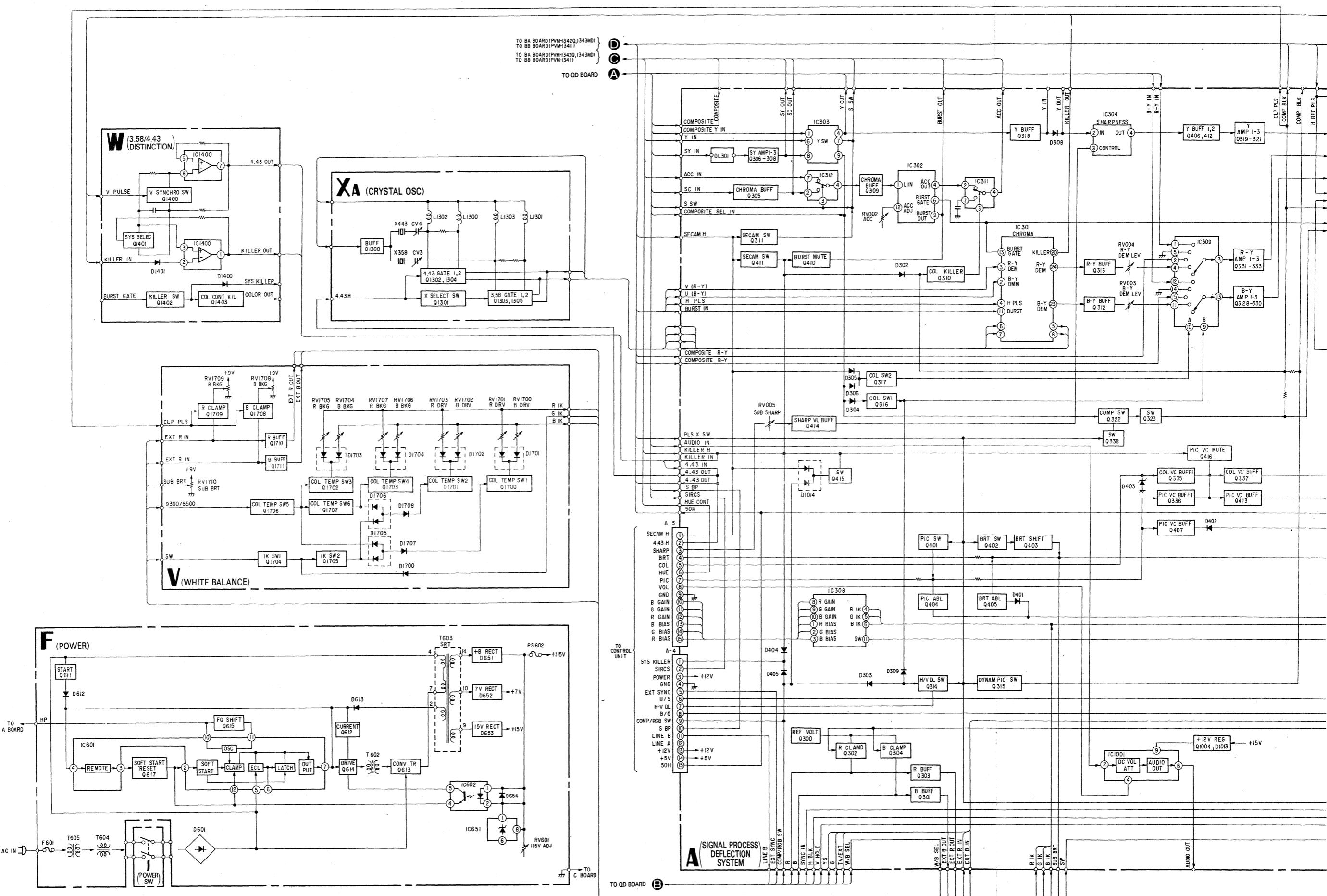
#### 6-1. FRAME SCHEMATIC DIAGRAM

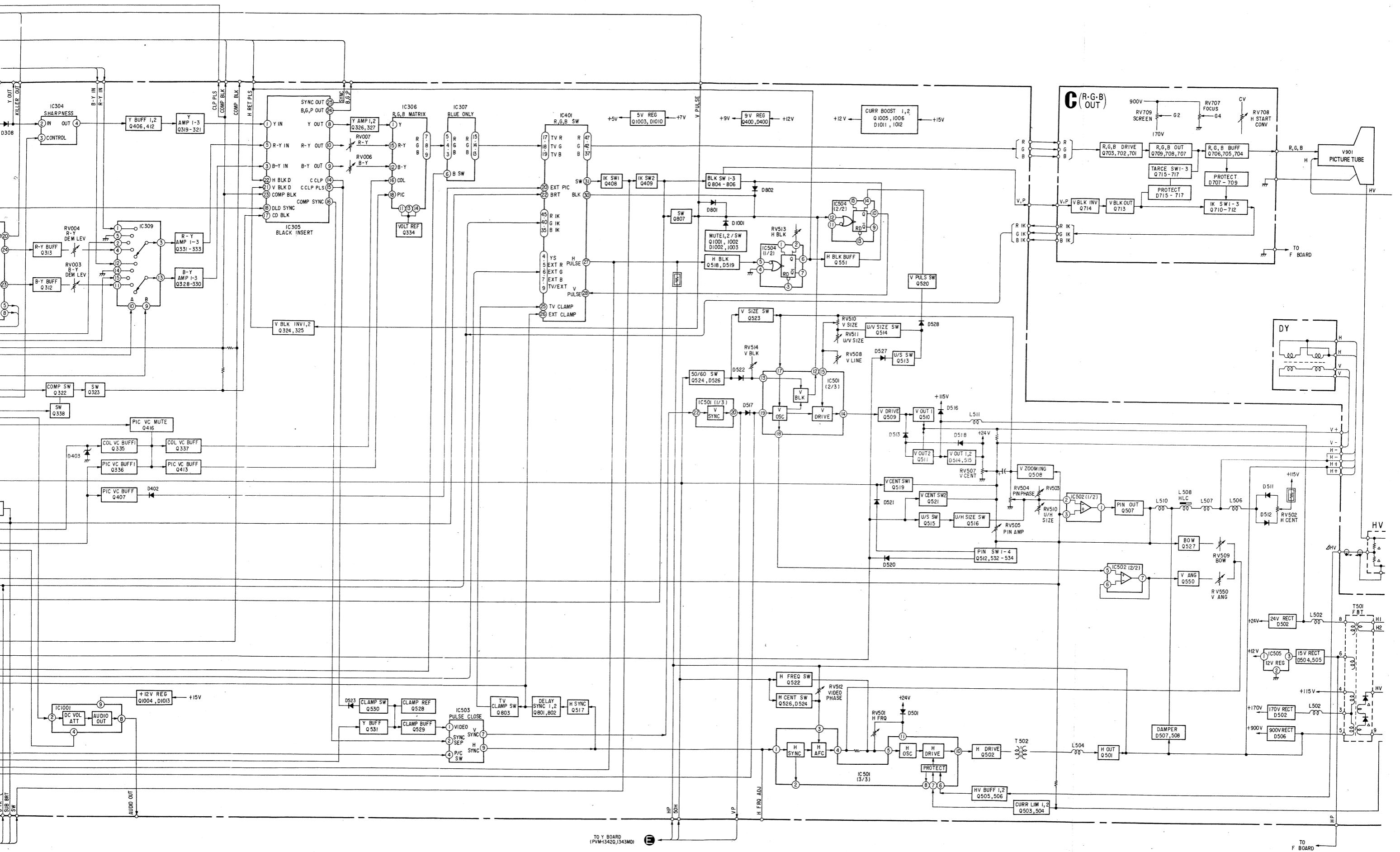


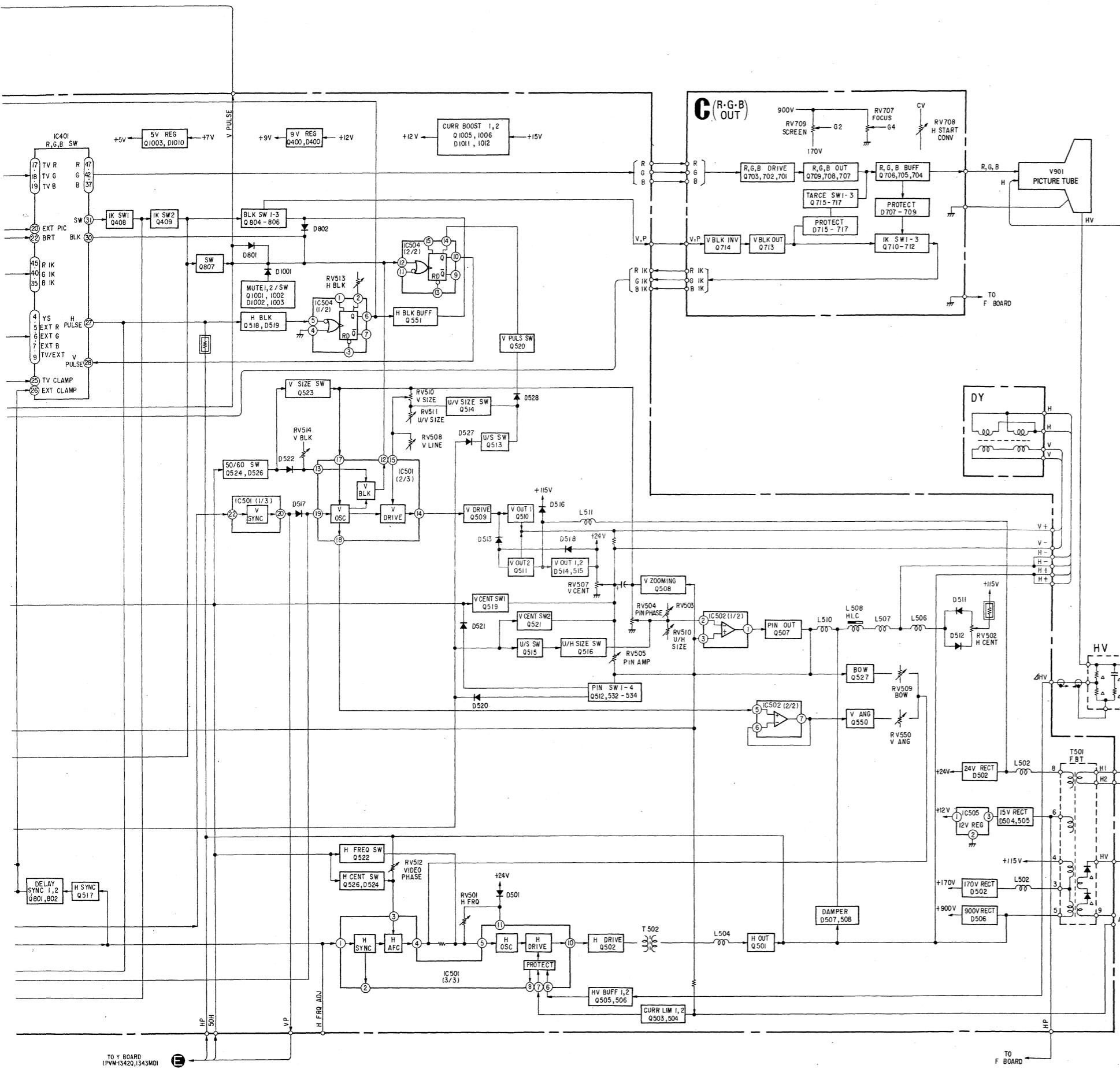
## 6-2. BLOCK DIAGRAMS







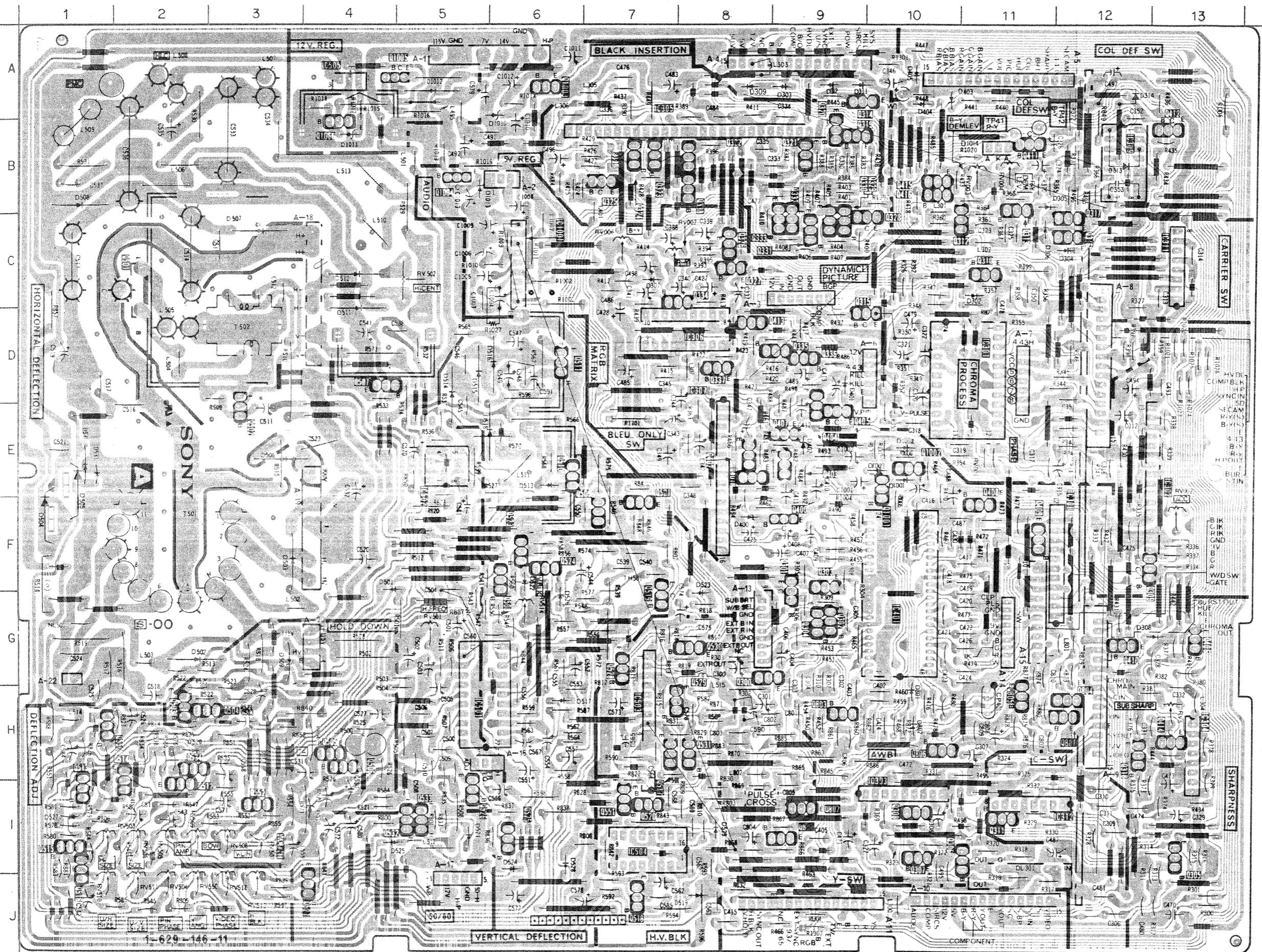




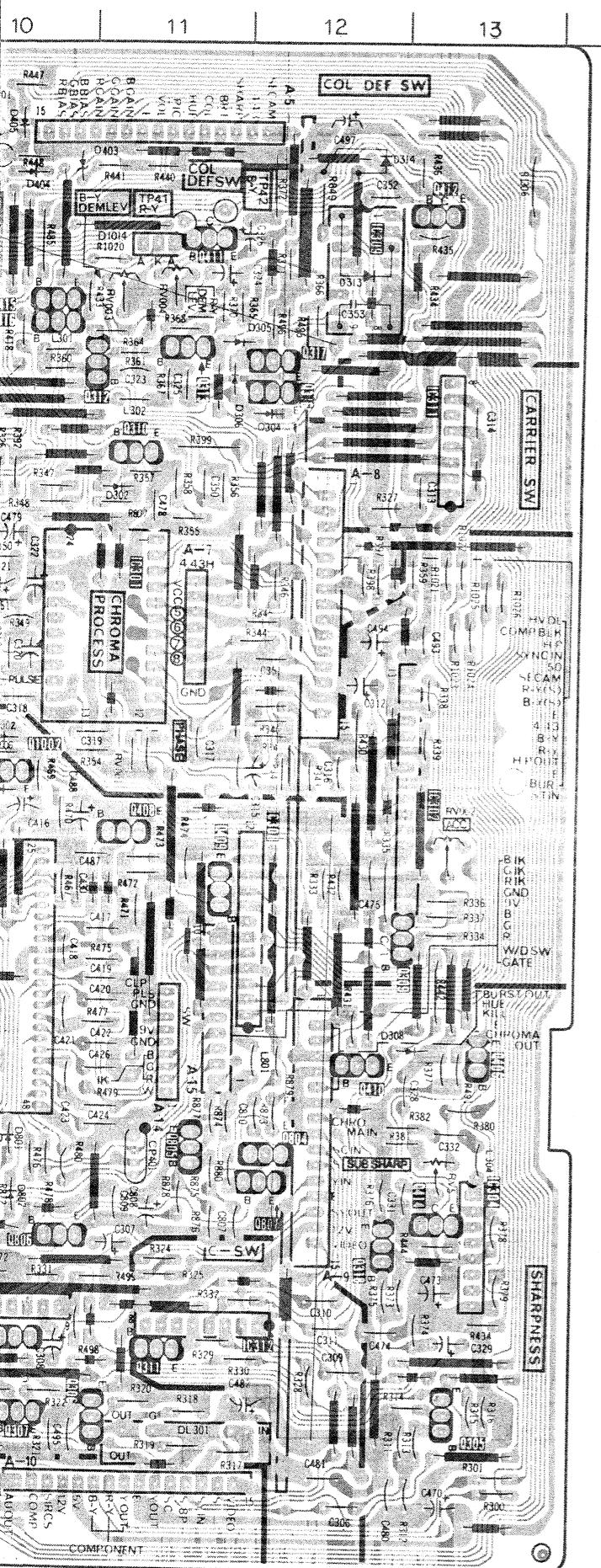
## 6-3. PRINTED WIRING BOARDS - A Board -

A

[SIGNAL PROCESS, DEFLECTION SYSTEM]

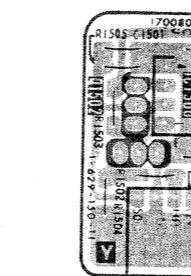


IC	
Q330	C-9
Q331	C-9
Q332	C-9
Q333	C-9
Q334	C-8
Q335	D-9
Q336	D-9
Q337	D-8
Q338	B-8
Q400	F-9
Q401	E-8
Q402	E-8
Q403	E-9
Q404	E-9
Q405	E-9
Q406	G-13
Q407	E-9
Q408	F-11
Q409	F-11
Q410	G-12
Q411	B-11
Q412	B-13
Q413	D-8
Q414	H-13
Q415	B-10
Q501	C-2
Q502	E-3
Q503	H-2
Q504	H-2
Q505	H-4
Q506	H-4
Q507	D-4
Q508	F-6
Q509	F-7
Q510	E-6
Q511	D-6
Q512	I-2
Q513	I-1
Q514	I-2
Q515	I-1
Q516	J-1
Q517	H-7
Q518	J-7
Q519	G-7
Q520	I-7
Q521	F-7
Q522	I-3
Q523	F-6
Q524	F-6
Q525	I-6
Q526	I-5
Q527	G-7
Q528	H-8
Q529	G-8
Q530	G-8

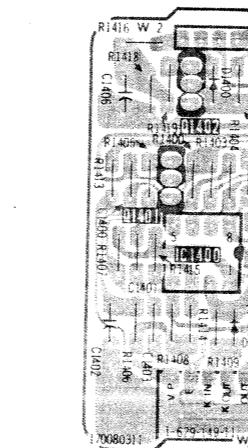


IC		Q330	C-9	Q531	H-8	D514	D-5
IC301	D-11	Q331	C-9	Q532	I-5	D515	E-6
IC302	E-13	Q332	C-9	Q533	I-5	D516	D-6
IC303	I-10	Q333	C-9	Q534	H-2	D517	H-6
IC304	H-13	Q334	C-8	Q550	H-1	D518	E-6
IC305	B-7	Q335	D-9	Q551	I-7	D519	J-8
IC306	D-8	Q336	D-9	Q801	I-9	D520	H-2
IC307	E-8	Q337	D-8	Q802	I-9	D521	I-5
IC308	F-12	Q338	B-8	Q803	H-9	D522	F-6
IC309	B-12	Q400	F-9	Q804	H-12	D523	G-8
IC311	C-13	Q401	E-8	Q805	H-11	D524	J-6
IC312	I-11	Q402	E-8	Q806	H-10	D526	G-6
IC401	G-10	Q403	E-9	Q807	H-12	D527	I-1
IC501	H-5	Q404	E-9	Q1001	E-10	D528	I-6
IC502	E-5	Q405	E-9	Q1002	E-10	D529	I-8
IC503	H-7	Q406	G-13	Q1003	A-6	D530	E-1
IC504	I-7	Q407	E-9	Q1004	B-5	D531	E-1
IC505	A-4	Q408	F-11	Q1005	A-4	D801	H-1
IC1001	C-6	Q409	F-11	Q1006	B-4	D802	H-1
		Q410	G-12			D1001	E-10
		Q411	B-11			D1002	E-10
		Q412	B-13			D1003	E-10
		Q413	D-8			D1010	A-6
TRANSISTOR		Q414	H-13			D1011	B-4
Q300	G-8	Q415	B-10	D302	C-11	D1012	A-5
Q301	G-9	Q416	B-10	D303	A-9	D1013	B-5
Q302	G-9	Q501	C-2	D304	C-12	D1014	B-11
Q303	G-9	Q502	E-3	D305	B-11		
Q304	G-9	Q503	H-2	D306	C-11		
Q305	I-13	Q504	H-2	D307	C-7		
Q306	I-11	Q505	H-4	D308	G-13	RV002	E-13
Q307	I-10	Q506	H-4	D309	A-8	RV003	B-11
Q308	I-10	Q507	D-4	D311	A-9	RV004	B-11
Q309	I-13	Q508	F-6	D312	A-9	RV005	H-13
Q310	C-11	Q509	F-7	D313	B-12	RV006	C-7
Q311	I-11	Q510	E-6	D314	A-12	RV007	C-7
Q312	C-11	Q511	D-6	D400	F-8	RV501	G-5
Q313	B-11	Q512	I-2	D401	D-9	RV502	C-5
Q314	A-9	Q513	I-1	D402	E-9	RV503	I-1
Q315	D-9	Q514	I-2	D403	A-10	RV504	J-2
Q316	C-12	Q515	I-1	D404	A-10	RV505	I-2
Q317	C-12	Q516	J-1	D405	A-10	RV506	I-2
Q318	H-12	Q517	H-7	D501	G-4	RV507	I-3
Q319	B-9	Q518	J-7	D502	G-2	RV508	I-3
Q320	B-9	Q519	G-7	D503	F-3	RV509	I-2
Q321	B-9	Q520	I-7	D504	F-1	RV510	J-1
Q322	B-8	Q521	F-7	D505	E-1	RV511	J-2
Q323	B-7	Q522	I-3	D506	E-3	RV512	J-3
Q324	B-7	Q523	F-6	D507	C-3	RV513	J-3
Q325	B-7	Q524	F-6	D508	B-1	RV514	G-6
Q326	C-8	Q525	I-6	D509	G-3	RV550	J-2
Q327	C-8	Q526	I-5	D510	I-4		
Q328	C-9	Q528	G-7	D511	D-4		
Q329	C-9	Q529	H-8	D512	C-4		
		Q530	G-8	D513	E-6		

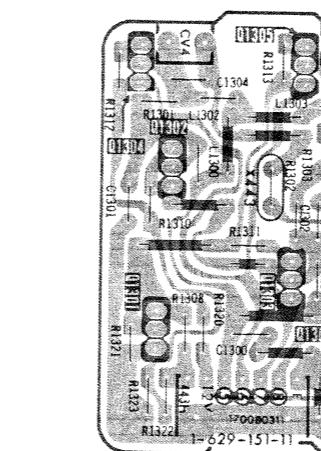
— Y Board — (PVM-1342Q, 134



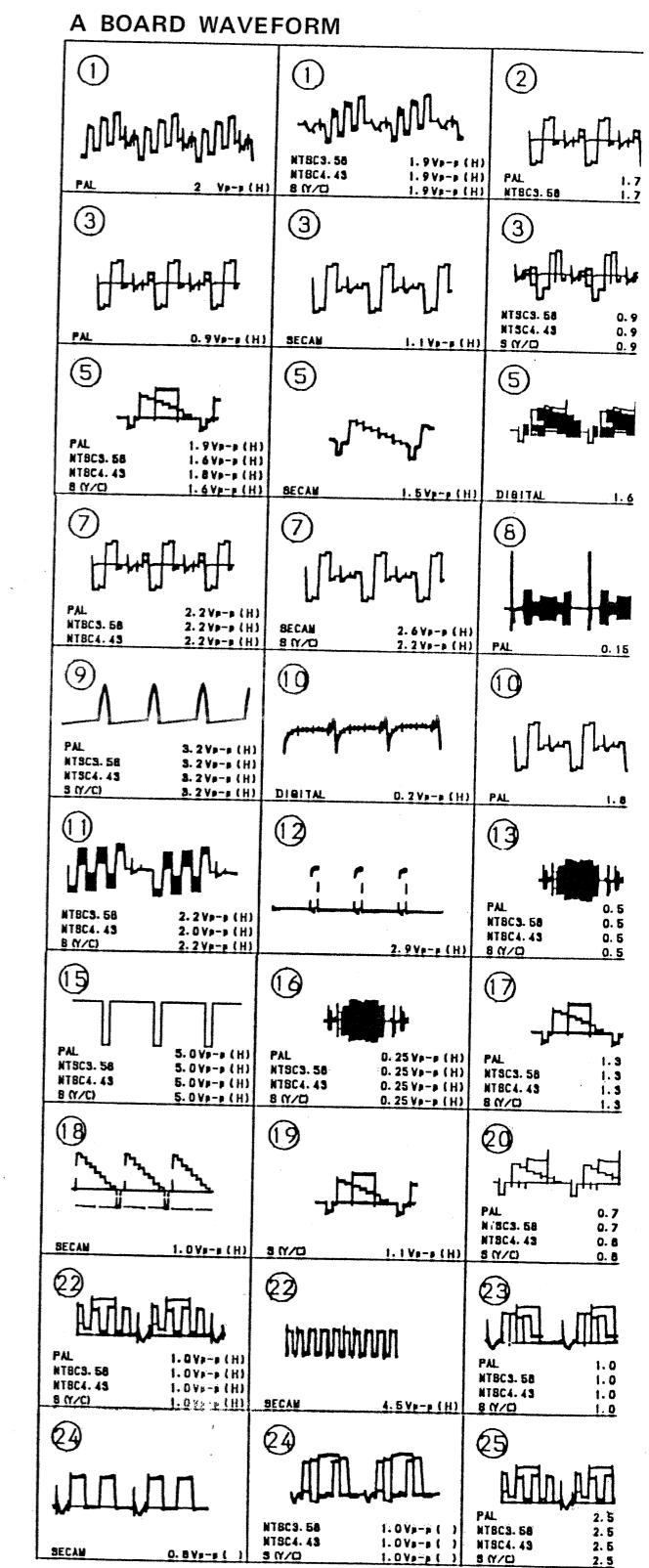
- W E



- XA E



**W** [3.58/4.43  
DISTINCTION]    **X** [CRYSTAL  
OSC]    **Y** [50/60  
DISTIN

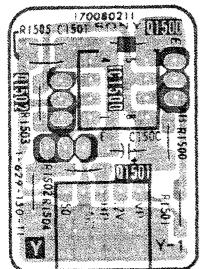


**W** 3.58/4.43  
DISTINCTION

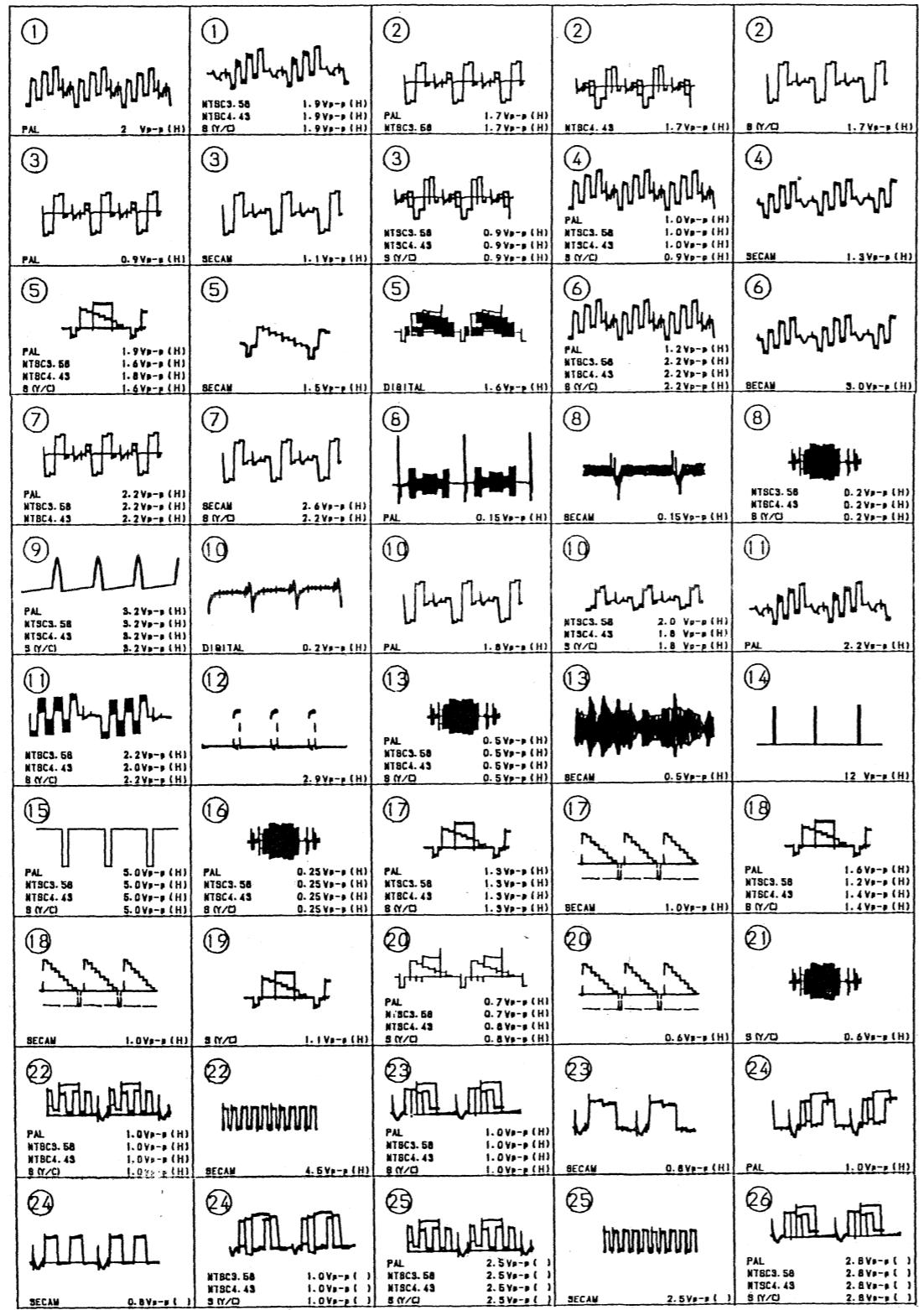
**XA** CRYSTAL  
OSC

**Y** 50/60  
DISTINCTION

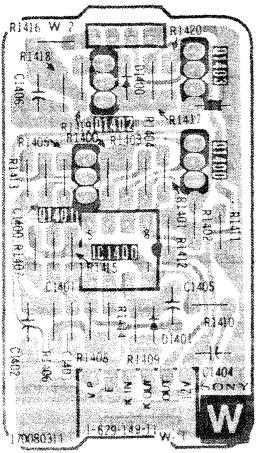
— Y Board — (PVM-1342Q, 1343MD)



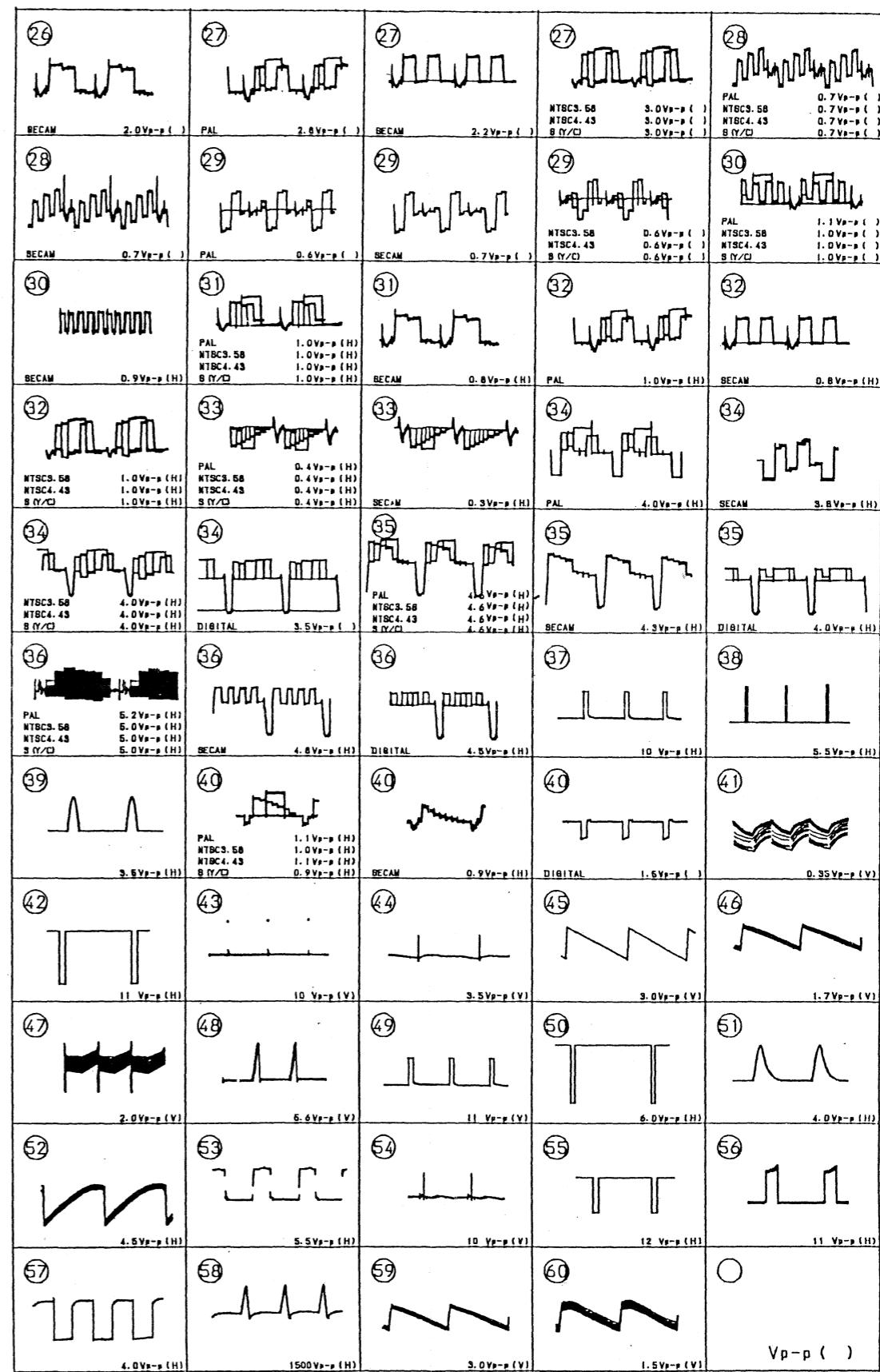
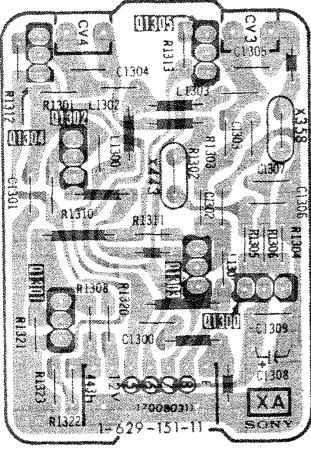
A BOARD WAVEFORM



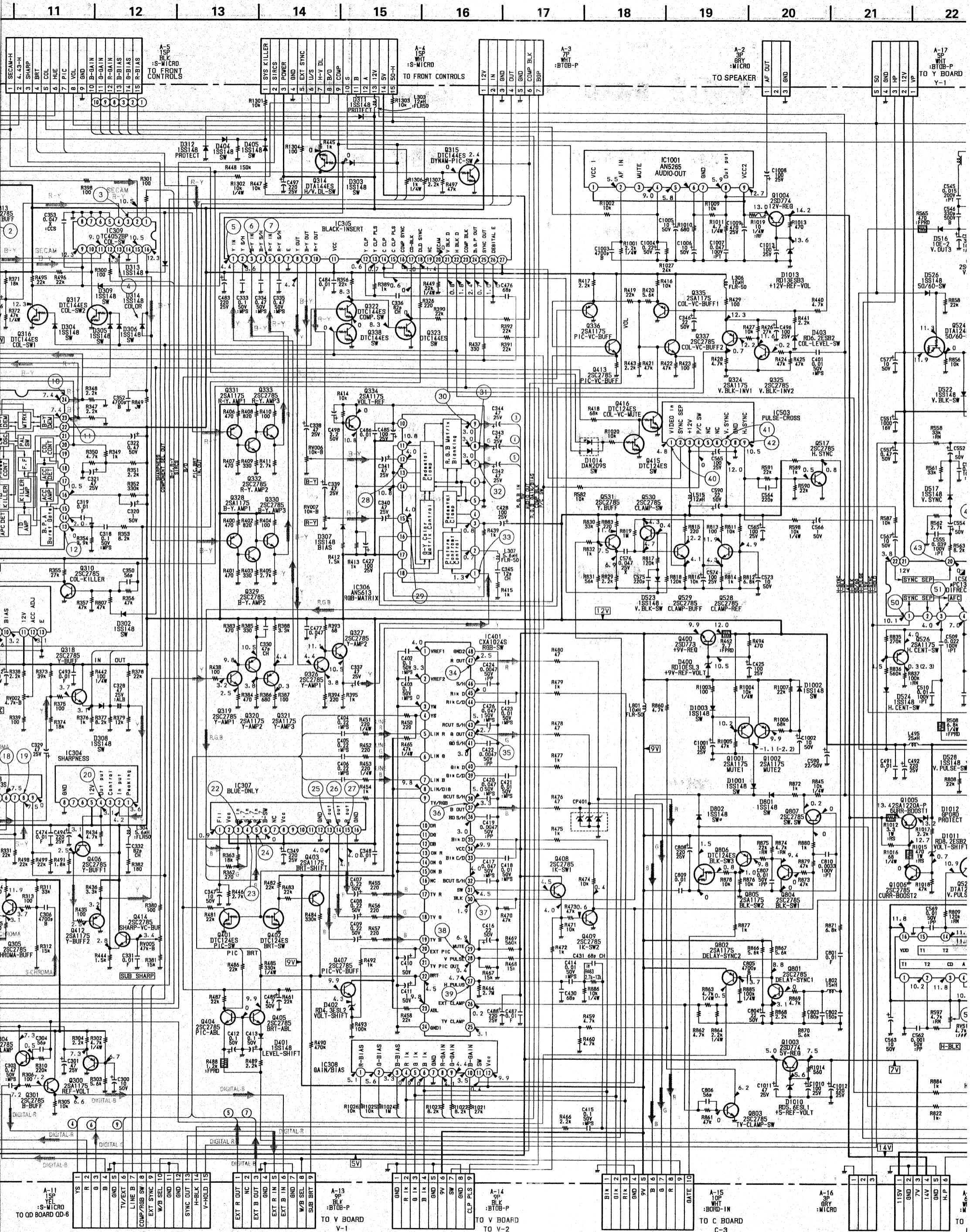
— W Board —

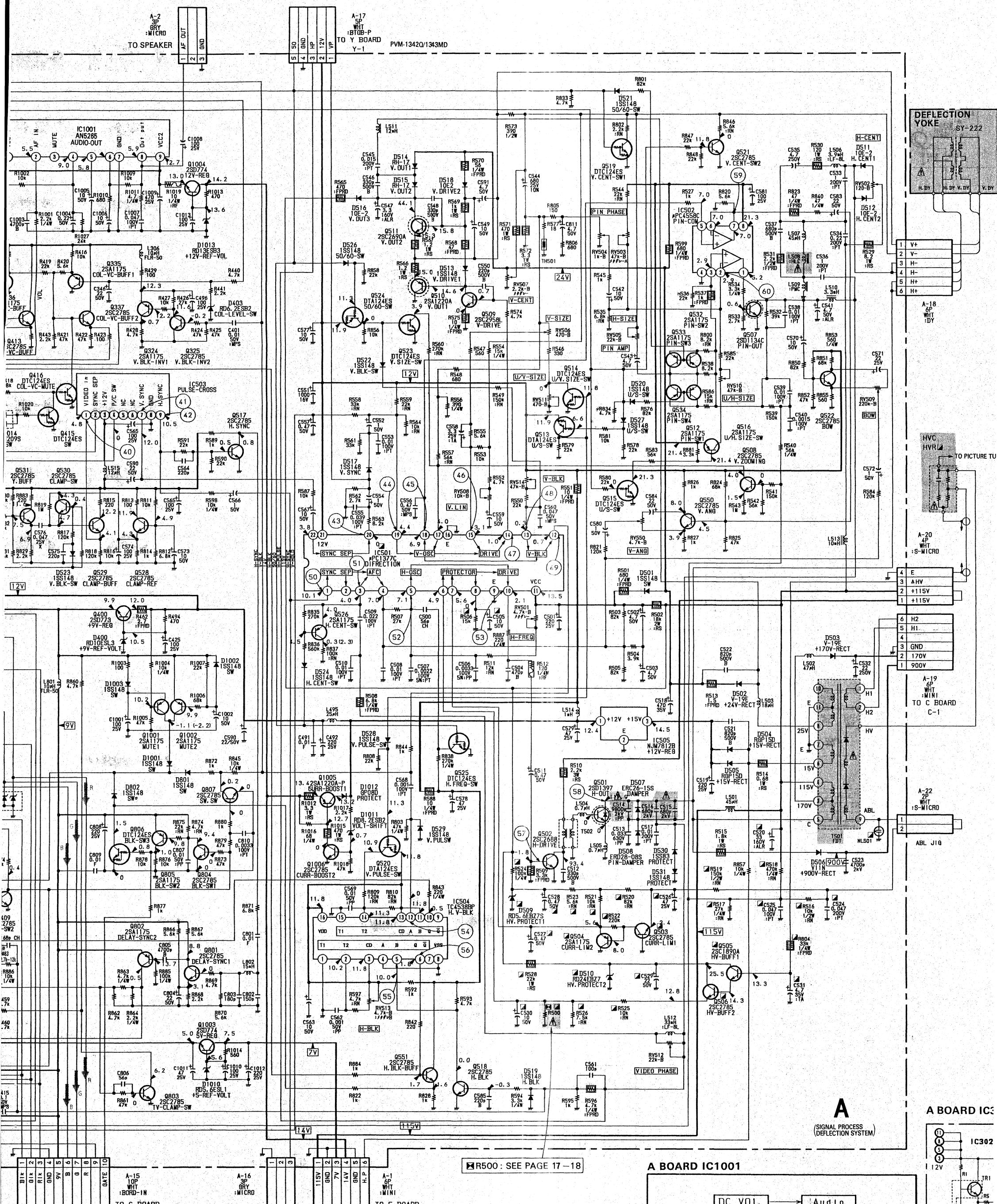


— XA Board —







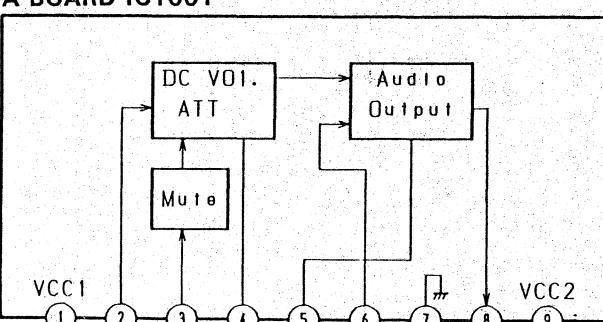


A BOARD IC3

(SIGNAL PROCESS DEFLECTION SYSTEM)

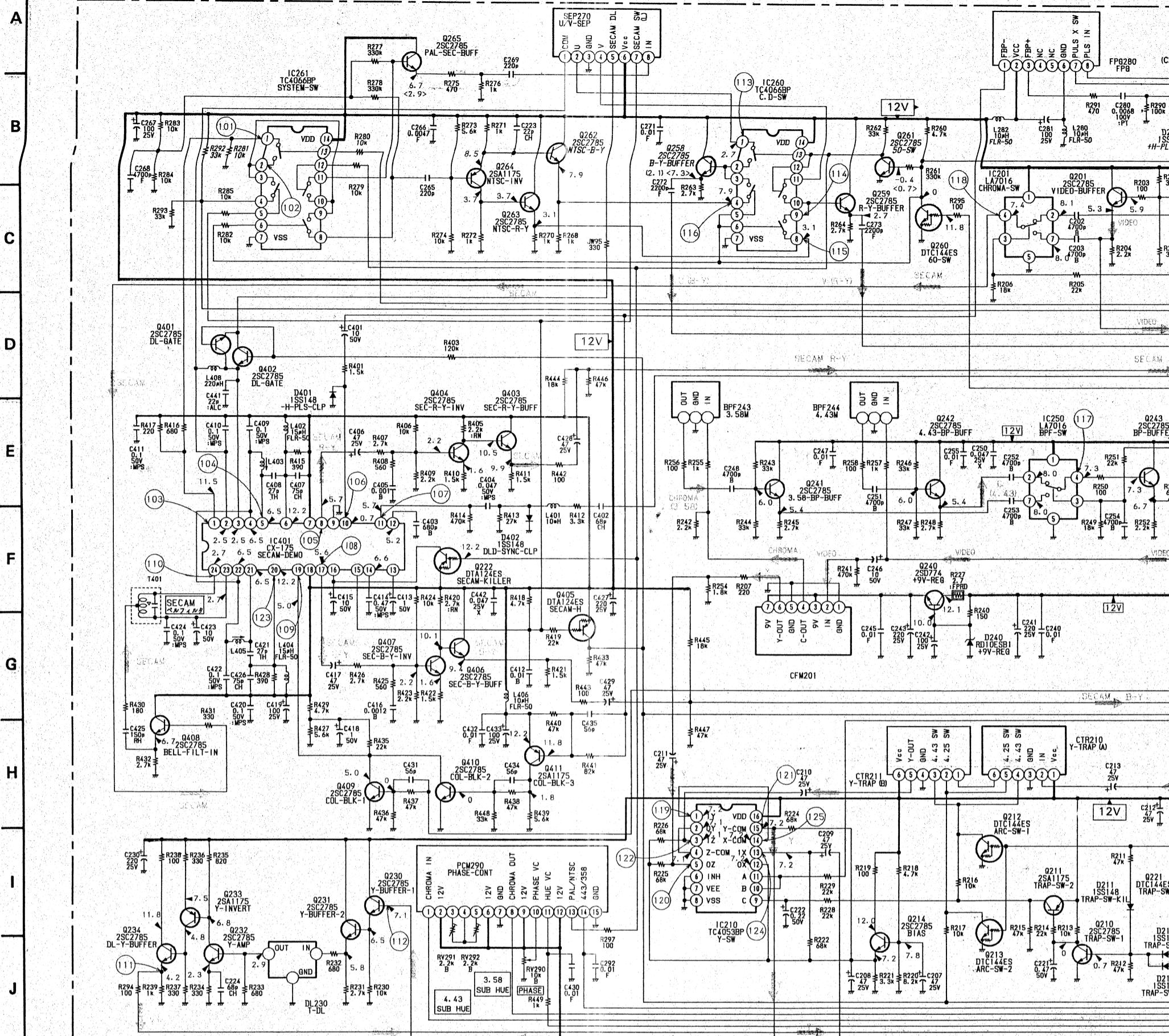
R500 : SEE PAGE 17-18

A BOARD IC1001

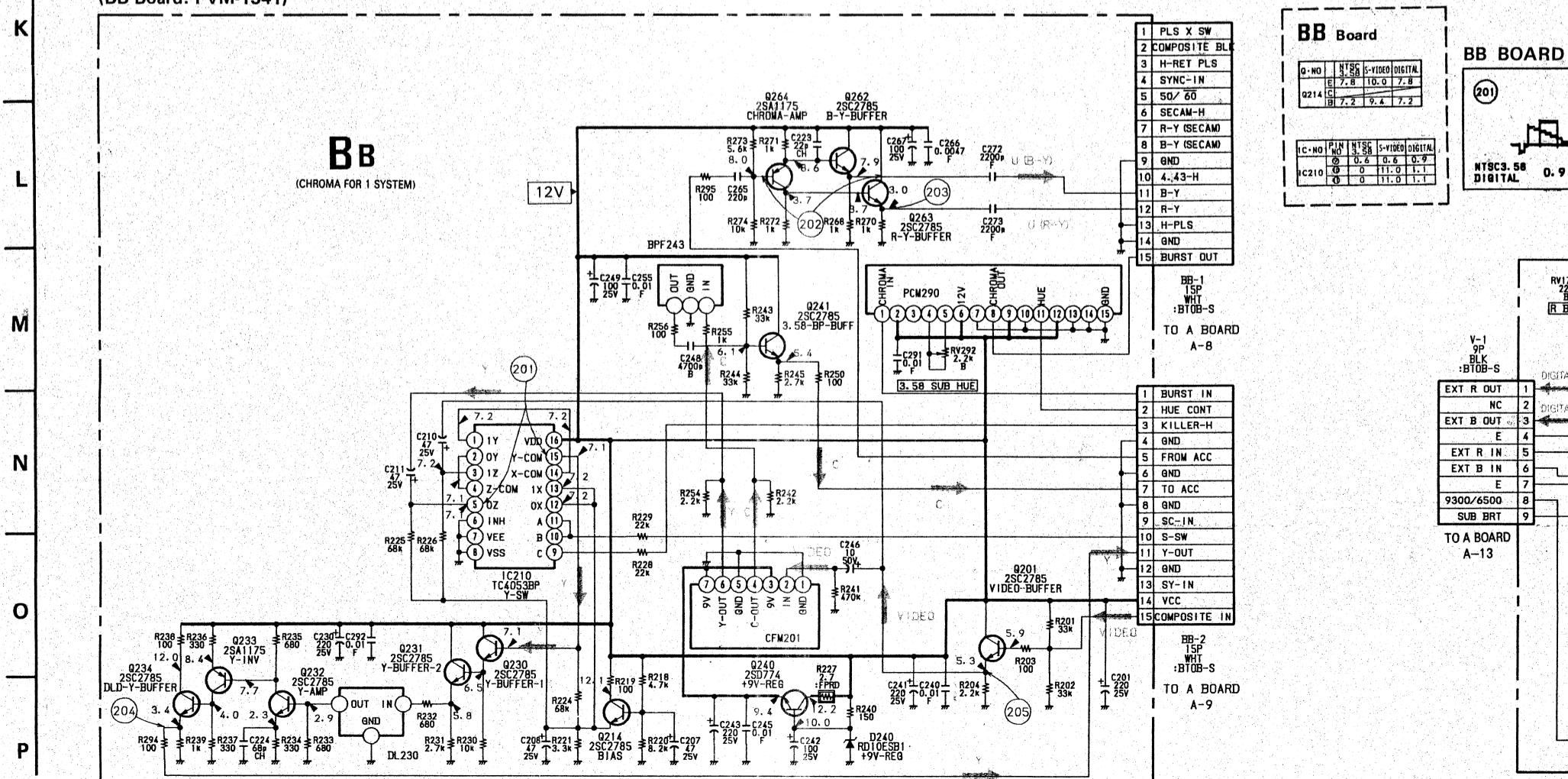




(BA Board: PVM-1342Q, 1343MD)

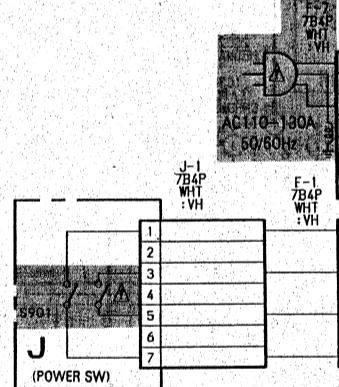
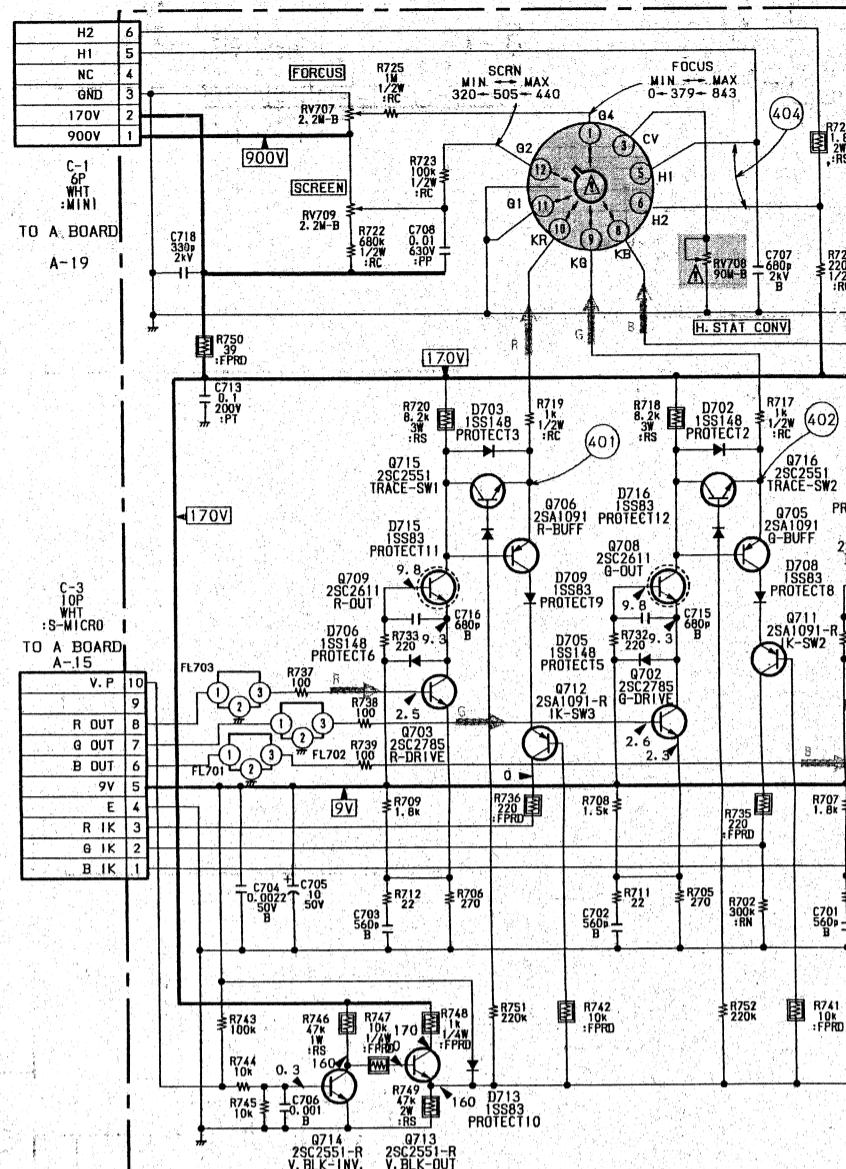
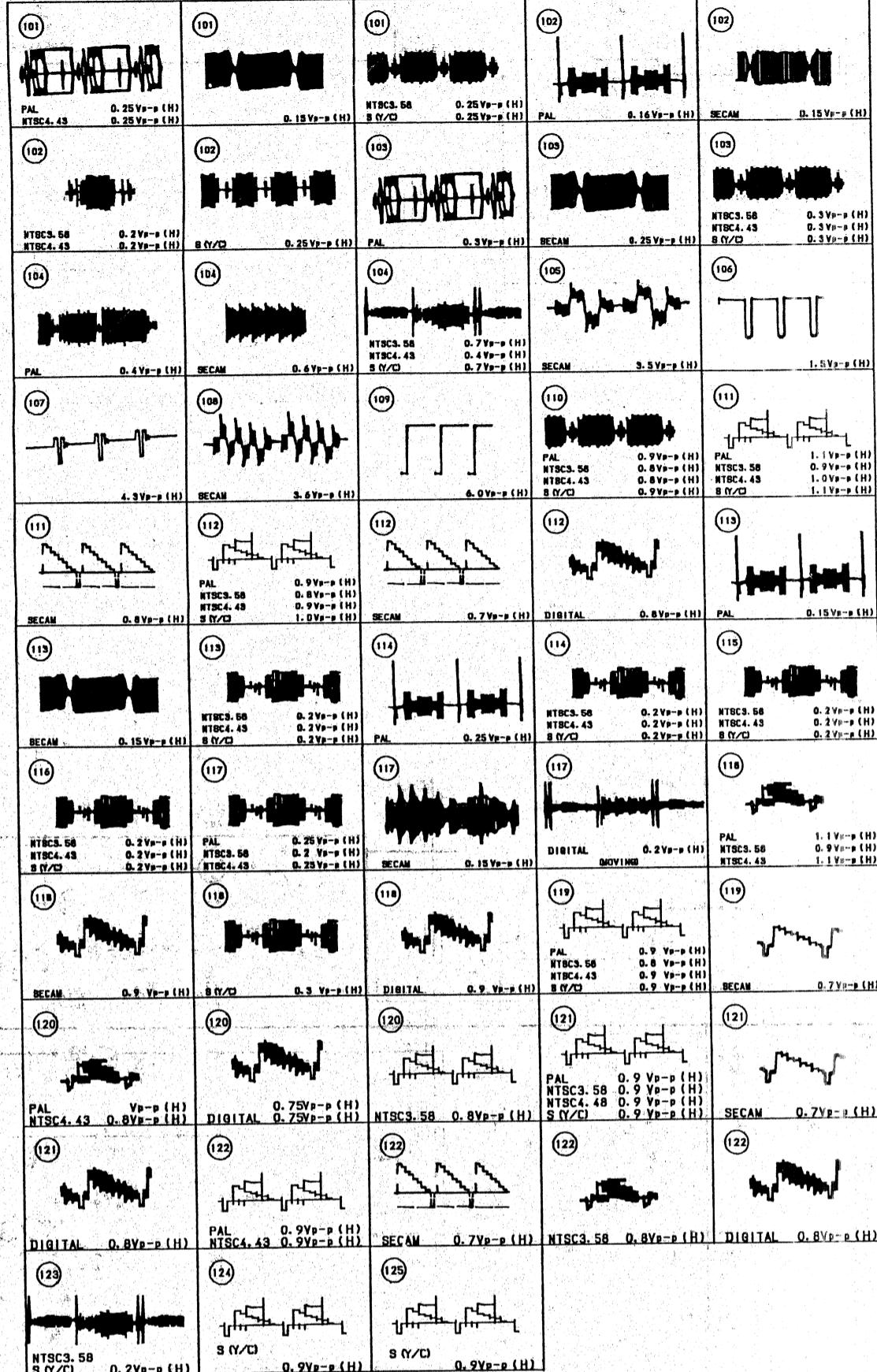


(BB Board: PVM-1341)

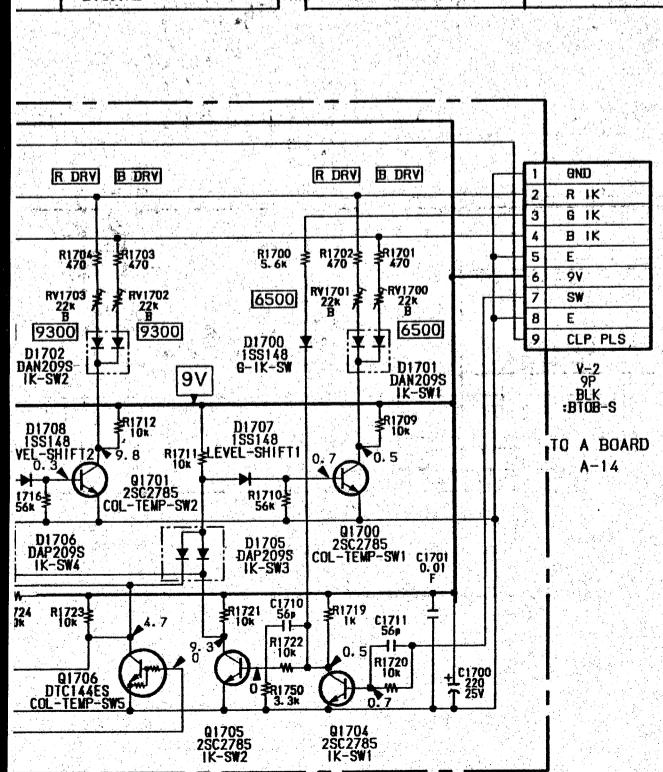
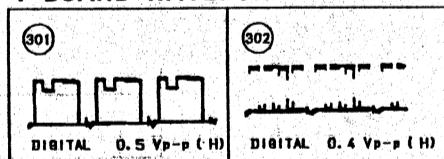




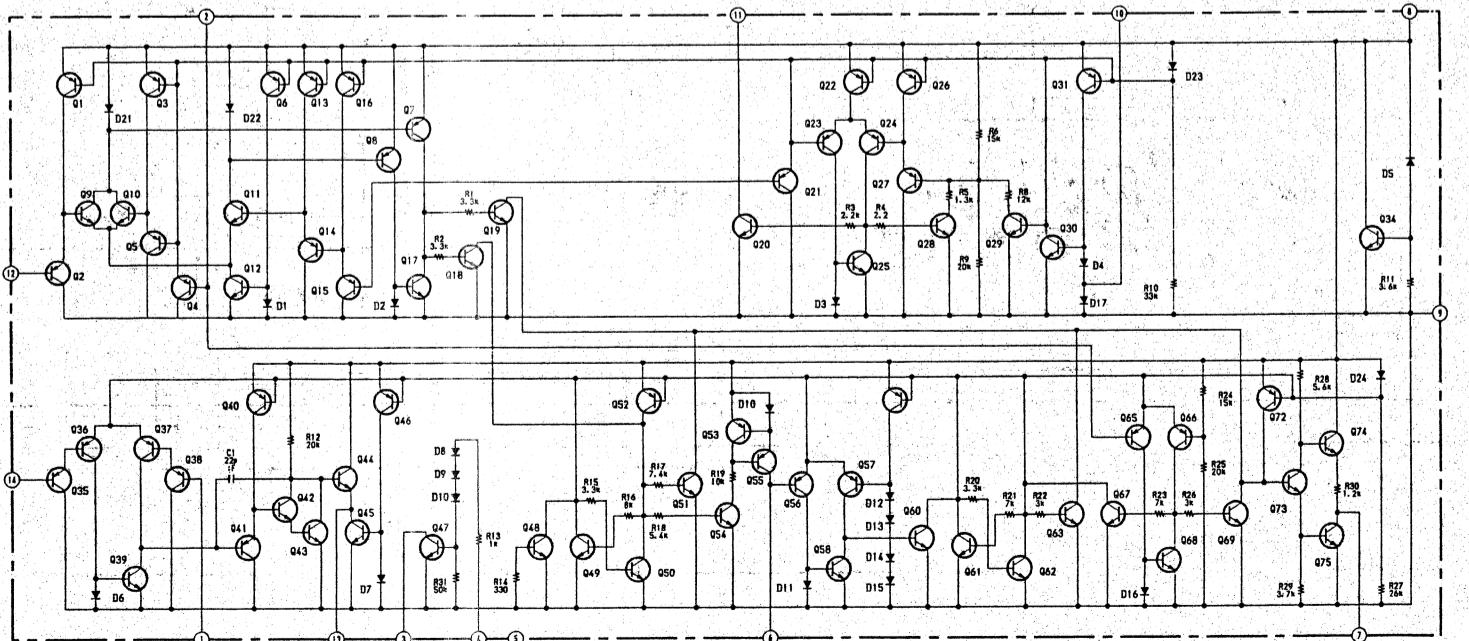
### BA BOARD WAVEFORM

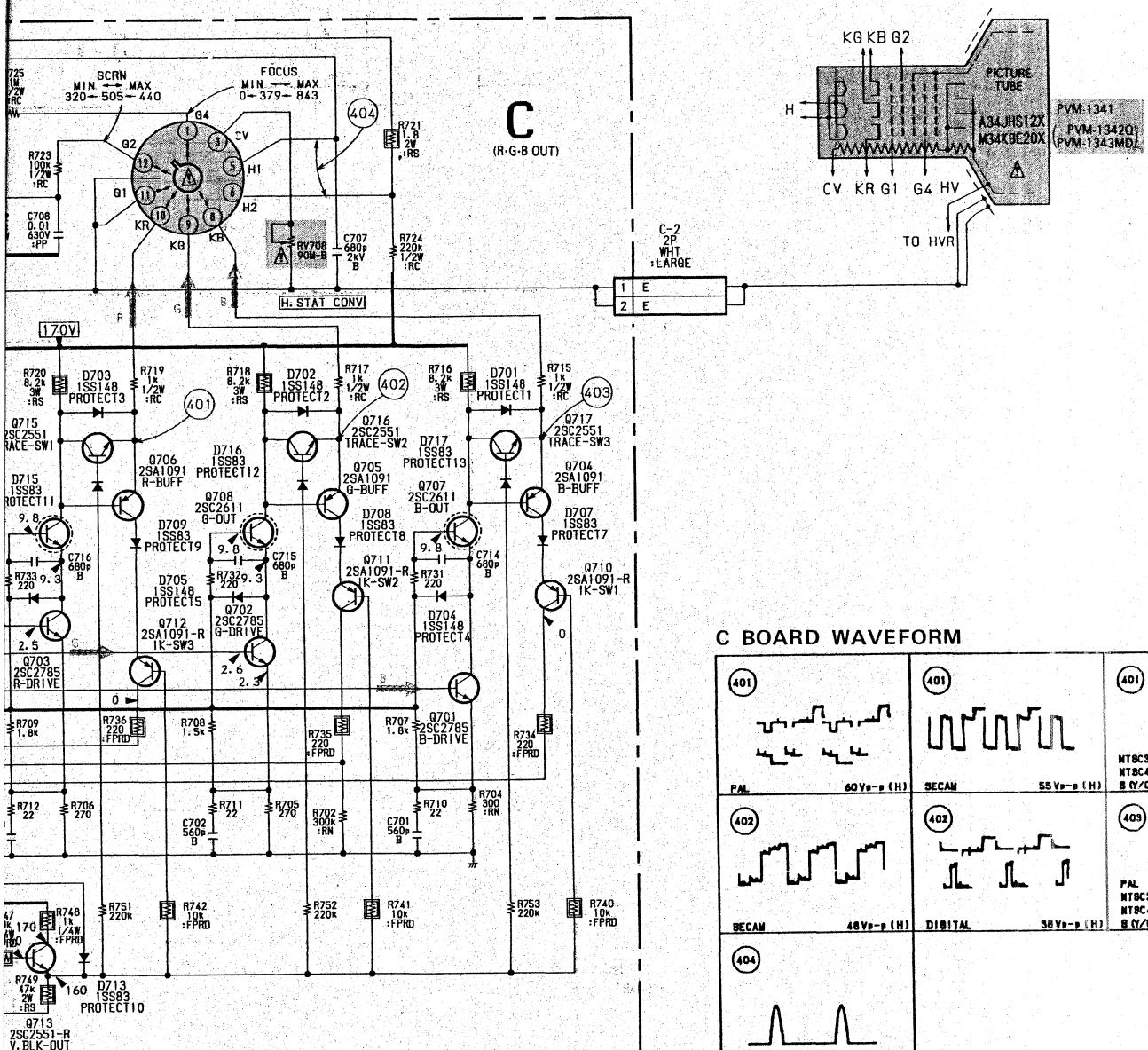


## V BOARD WAVEFORM



F BOARD IC601

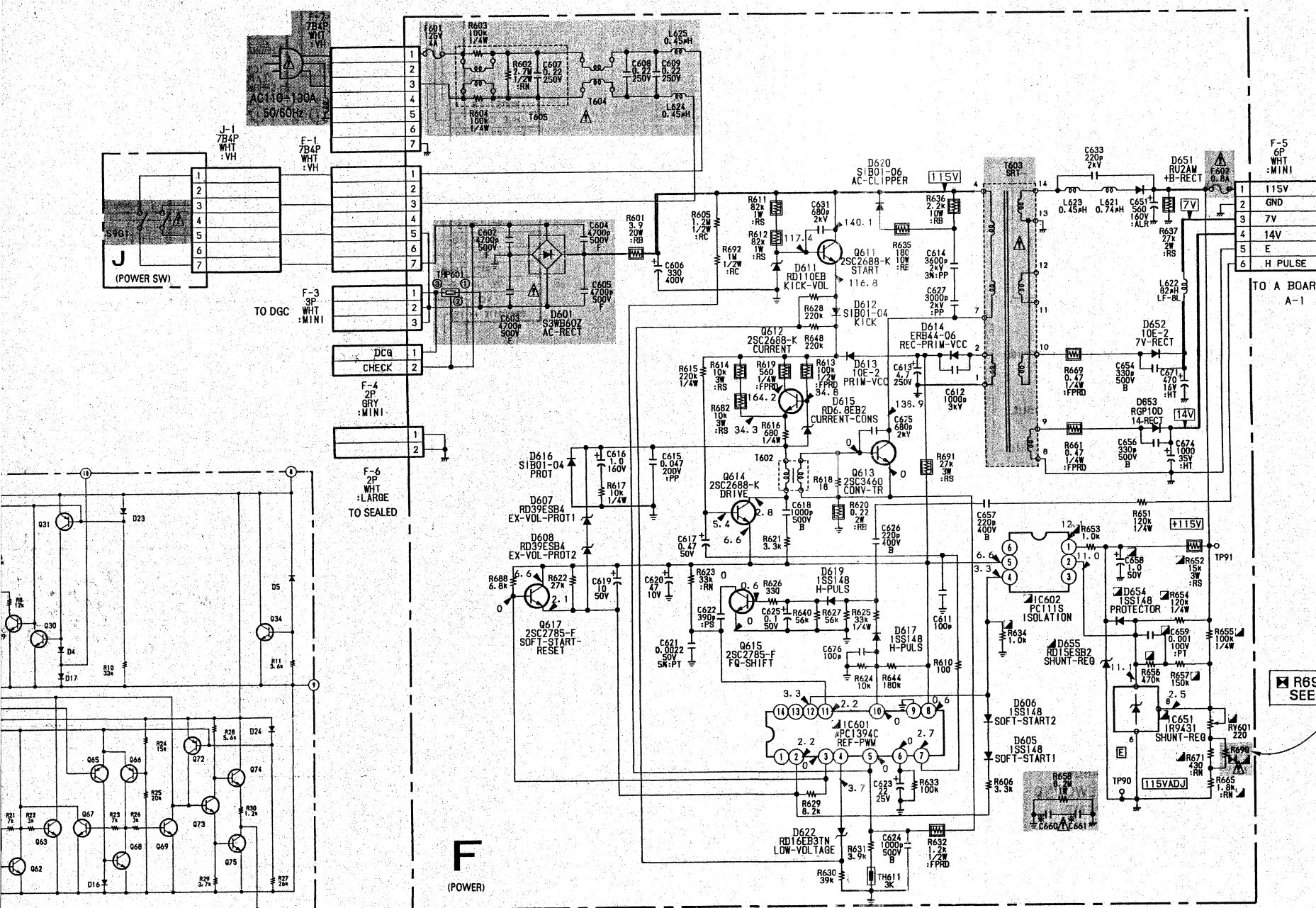
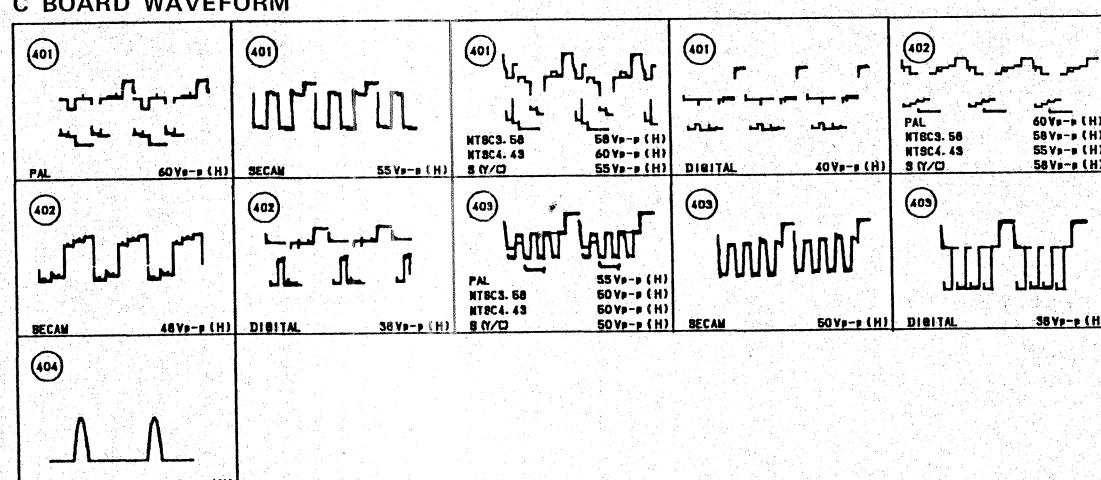




**C Board**

Q-NO	PAL	SECAM	NTSC	NTSC	1-VIDEO	DIGIT
E150.6	I51.4	I50.7	I51.1	I45.9	I50.9	
E152.5	I51.5	I52.4	I51.3			
E153.1	I45.2	I51.7	I51.7	I50.0	I53.5	
C152.0	I27.7	I27.6				
B154.3	I51.7	I54.0				
E139.7	I38.0	I38.0	I47.9	I51.6		
B141.6	I40.4	I40.7	I40.8	I49.2	I54.4	
E154.5	I54.5	I53.9	I47.2	I53.5		
B141.6	I40.4	I40.7	I40.8	I49.2	I54.4	
E154.3	I51.7	I54.0				
B141.6	I40.4	I40.7	I40.8	I49.2	I54.4	
E153.5	I51.4	I51.0				
B151.4	I46.9	I50.2				
E140.5	I40.5	I58.4				
E140.6	I44.7	I45.8	I47.0			
B160.4	I60.3	I58.4				
E139.7	I38.0	I38.0	I47.9	I51.6		
E141.6	I40.4	I40.7	I40.8	I49.2	I54.4	
E142.0	I51.1	I51.3	I51.3	I52.4		
B151.0	I52.9	I49.0	I50.9	I49.3	I53.13	
B154.3	I51.7	I54.0				
E150.6	I51.4	I50.9	I51.1	I45.9	I50.9	
C154.5	I54.5	I53.9				
B150.3	I50.8	I49.7	I50.7	I45.8	I50.9	

C BOARD WAVEFORM



BA

[CHROMA FOR 4 SYSTEM]

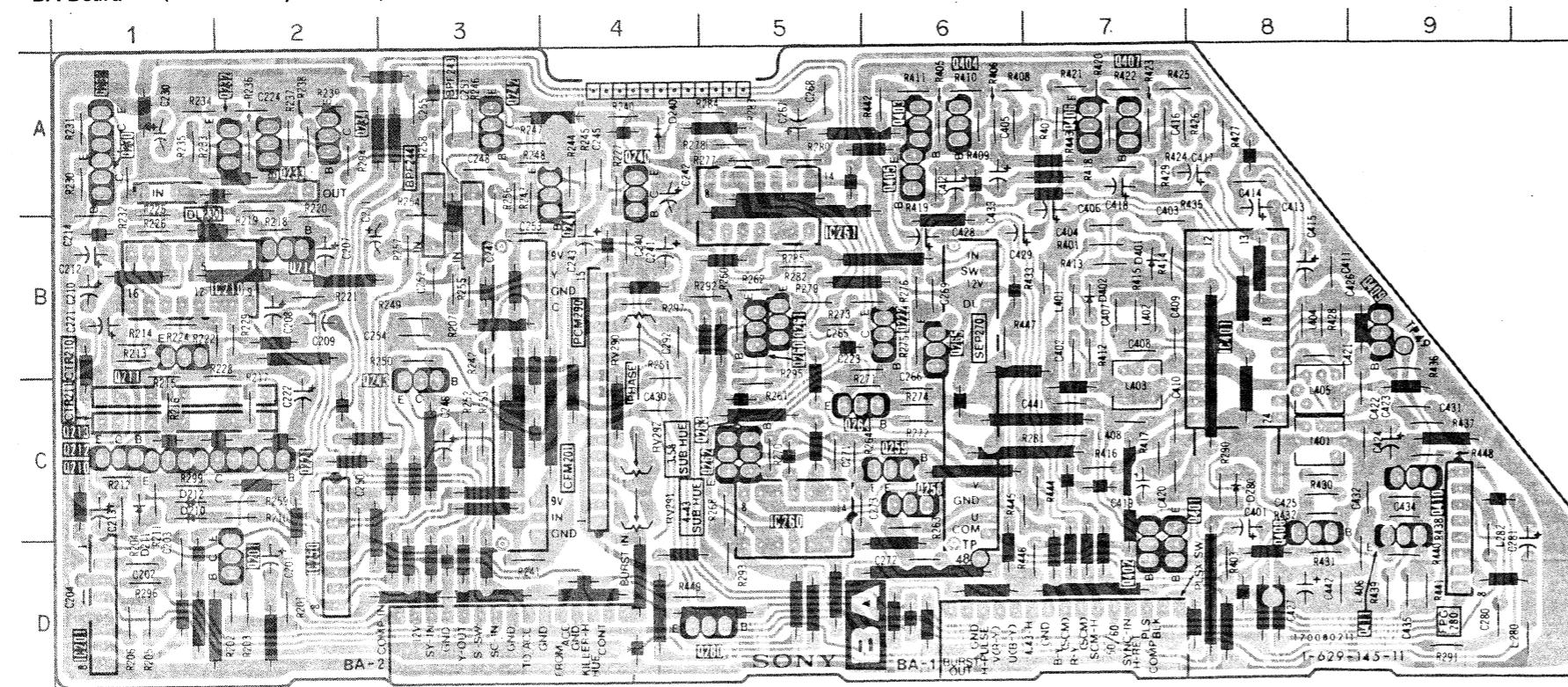
BB

[CHROMA FOR 1 SYSTEM]

J

[POWER SW]

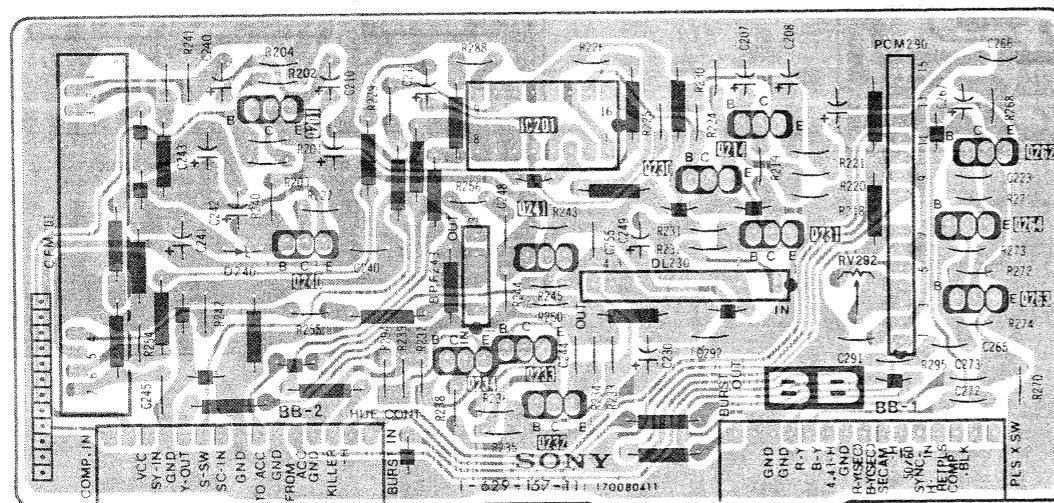
## — BA Board — (PVM-1342Q, 1343MD)



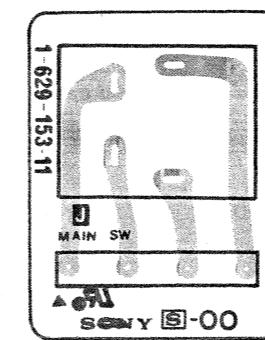
## BA Board

IC	Q241	A-4	DIODE
IC201	Q242	A-3	D210 C-1
IC210	Q243	C-3	D211 C-1
IC250	Q258	C-6	D212 C-1
IC260	Q259	C-6	D240 A-4
IC261	Q260	B-5	D280 C-8
IC401	Q261	B-5	D401 B-7
	Q262	C-5	D402 B-7
	Q263	C-5	
TRANSISTOR	Q264	C-5	VARIABLE RESISTOR
Q201	Q265	B-6	RV290 B-4
Q210	Q280	D-5	RV291 C-4
Q211	Q401	D-7	RV292 C-4
Q212	Q402	D-7	
Q213	Q403	A-6	
Q214	Q404	A-6	
Q221	Q405	A-6	
Q222	Q406	A-7	
Q230	Q407	A-7	
Q231	Q408	D-8	
Q232	Q409	B-9	
Q233	Q410	C-9	
Q234	Q411	D-9	

## — BB Board — (PVM-1341)

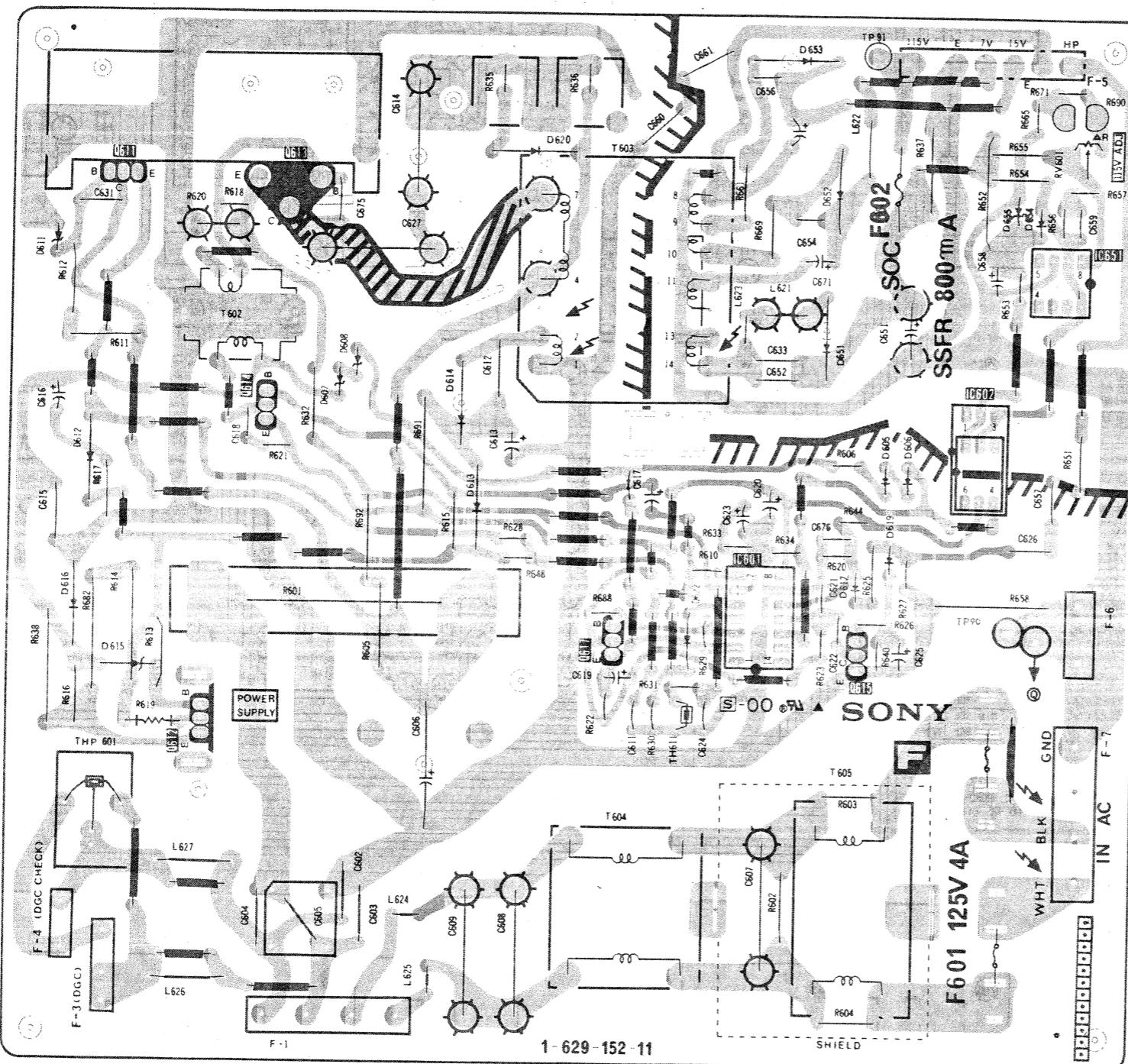


## — J Board —

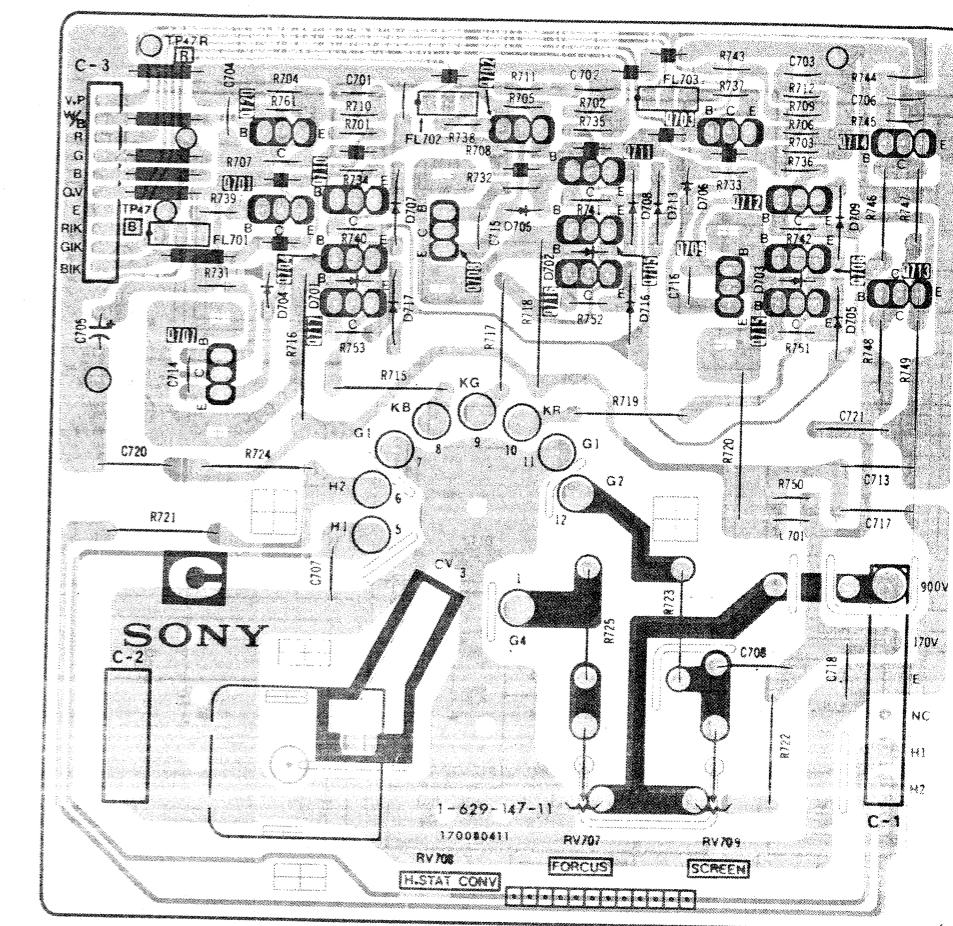


– F Board –

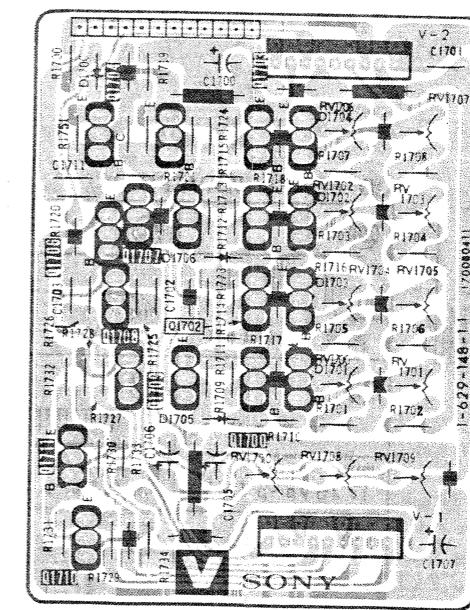
DIODE	
D210	C-1
D211	C-1
D212	C-1
D240	A-4
D280	C-8
D401	B-7
D402	B-7
VARIABLE RESISTOR	
RV290	B-4
RV291	C-4
RV292	C-4



— C Board —



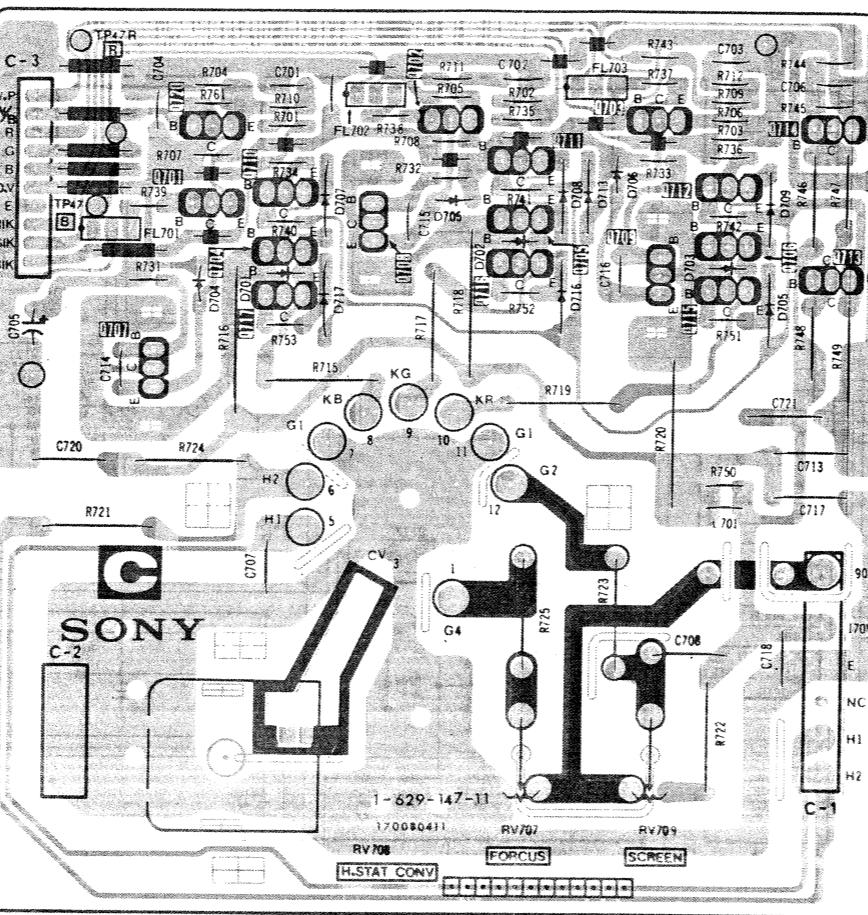
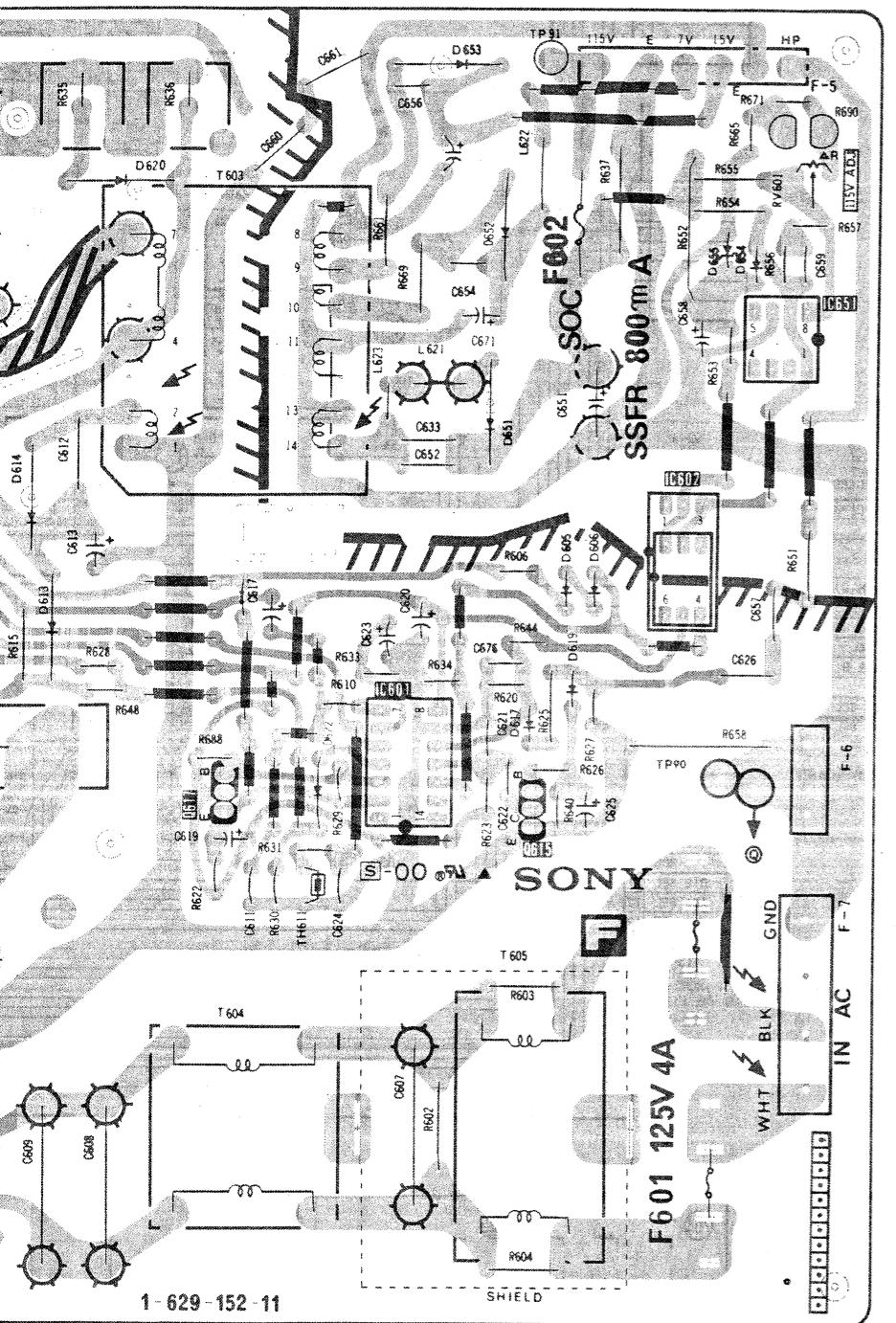
– V Board –



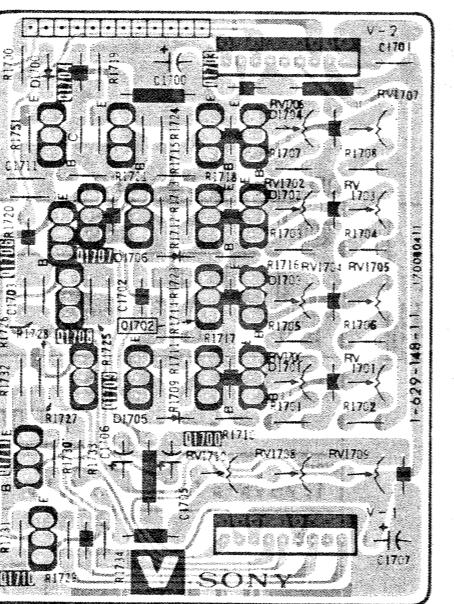
**F** [POWER]

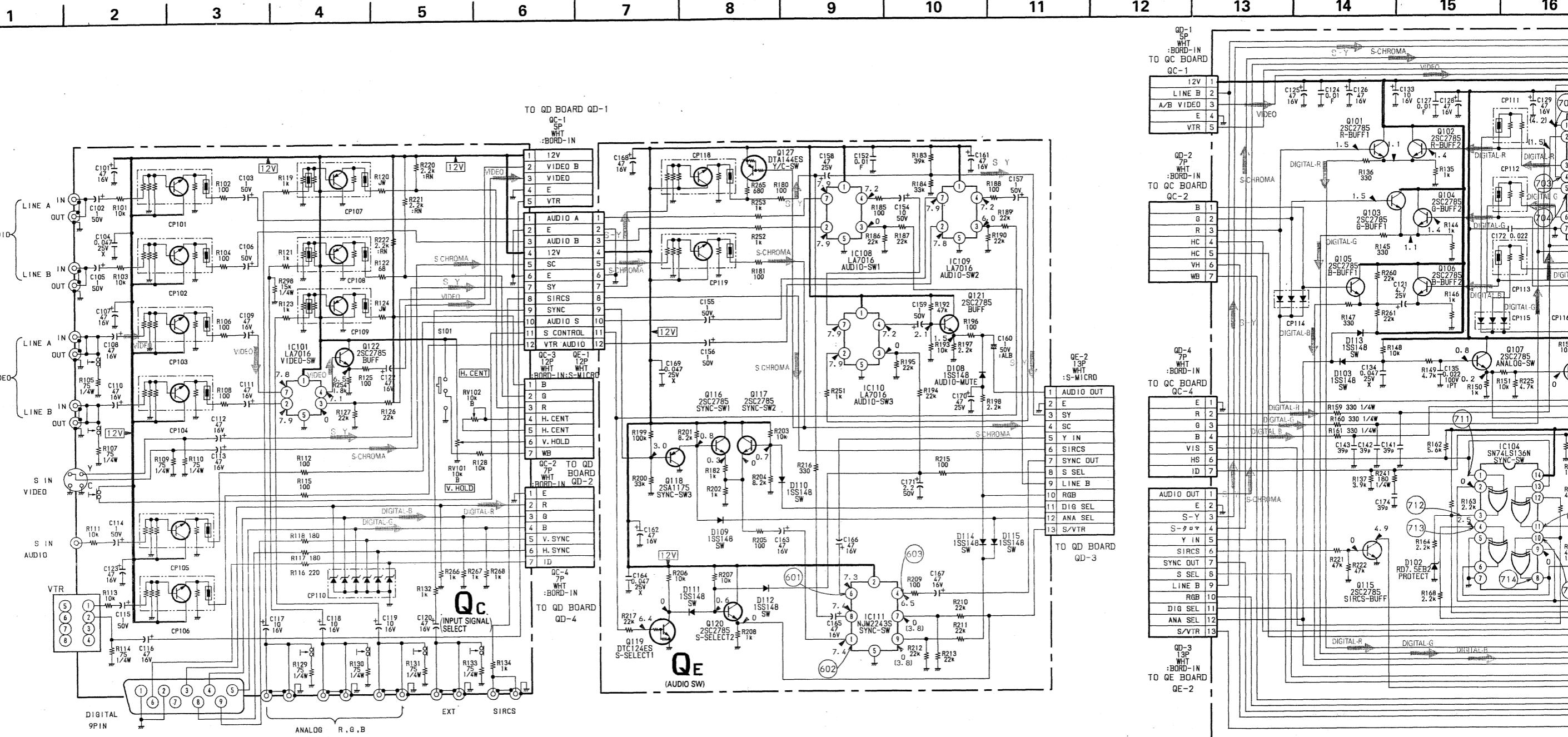
**C** [R·G·B OUT] **V** [WHITE BALANCE]

## — C Board —

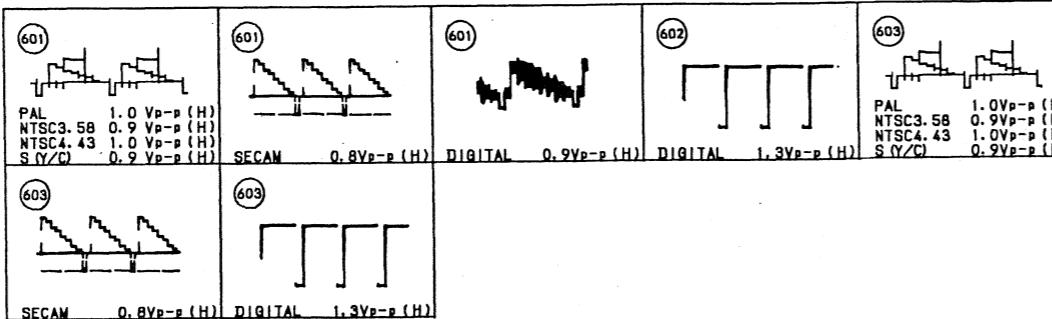


**– V Board –**

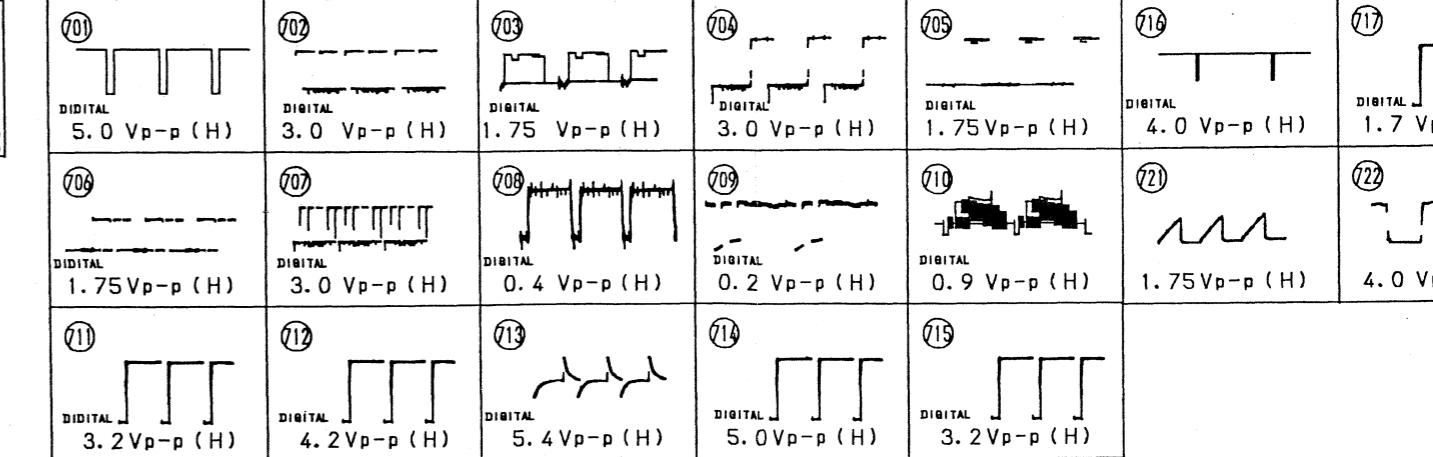


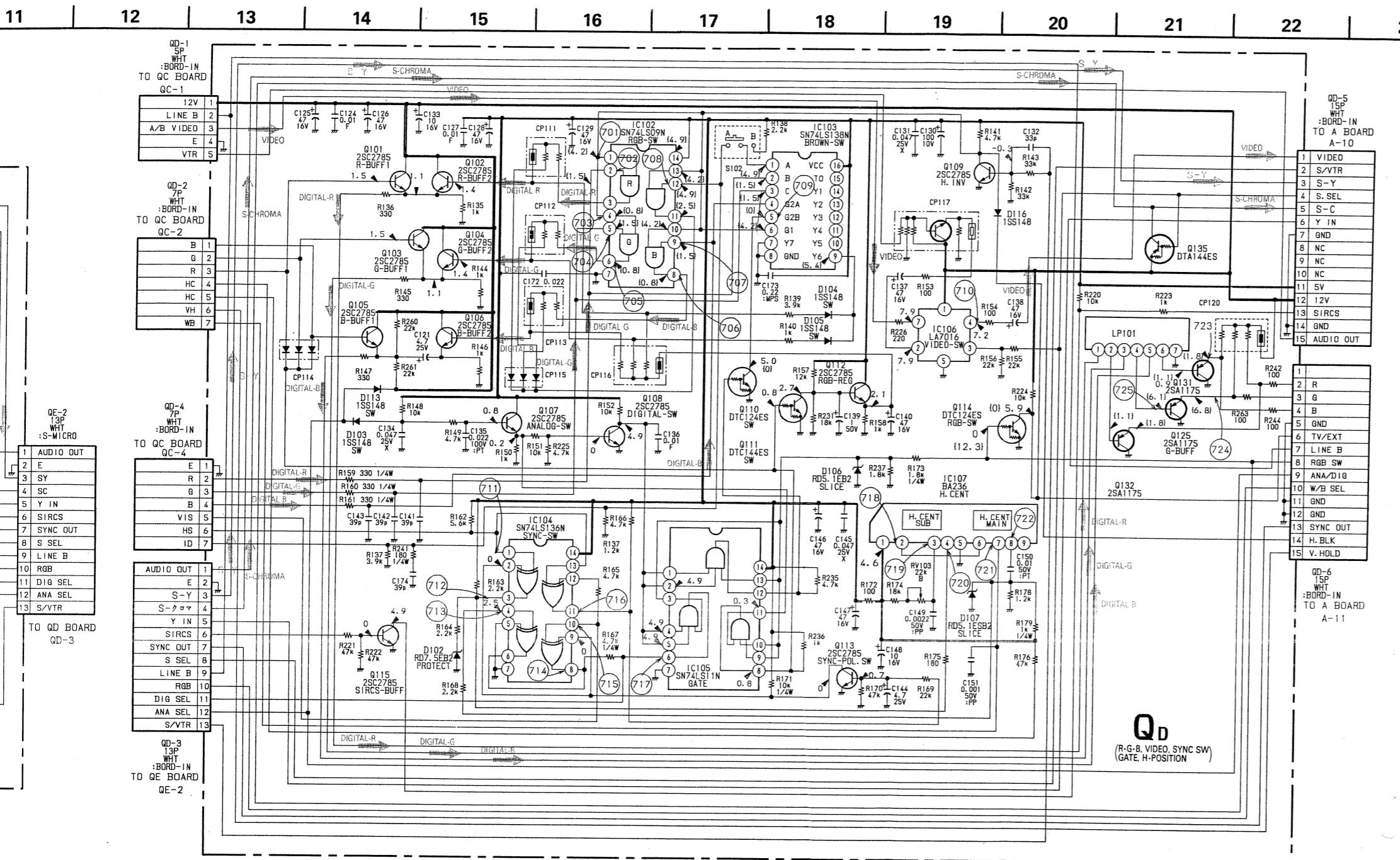


QE BOARD WAVEFORM



QD BOARD WAVEFORM

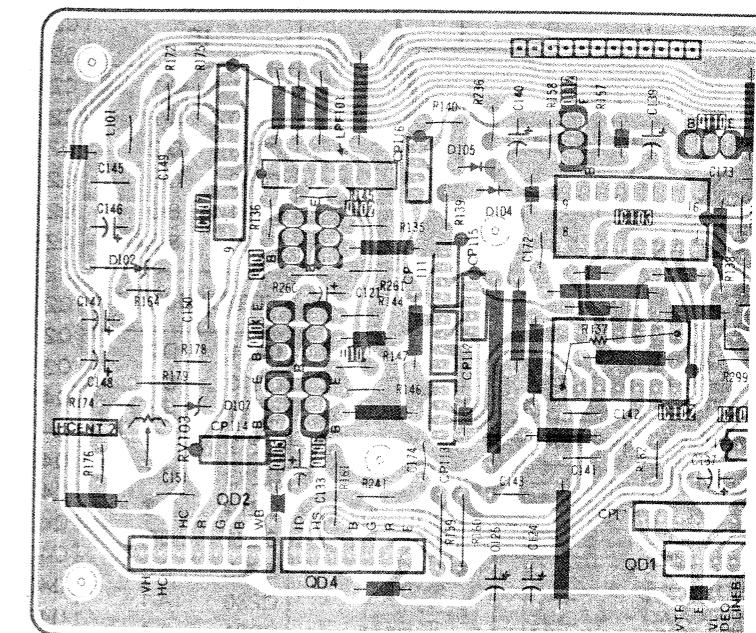




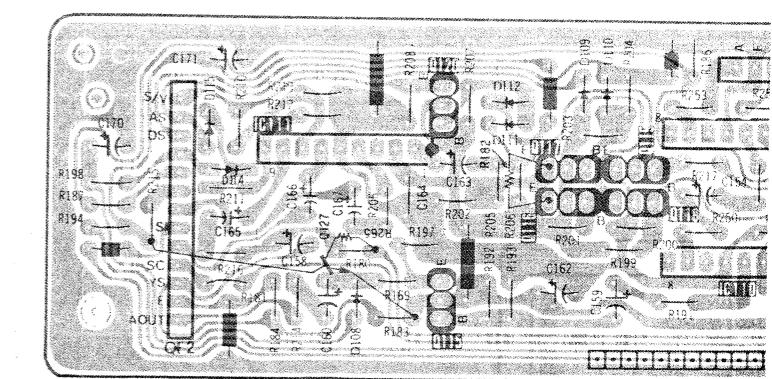
**QD** [R-G-B, VIDEO, SYNC SW]  
[GATE, H-POSITION]

**QE** [AUDIO SW]

## — QD Board —



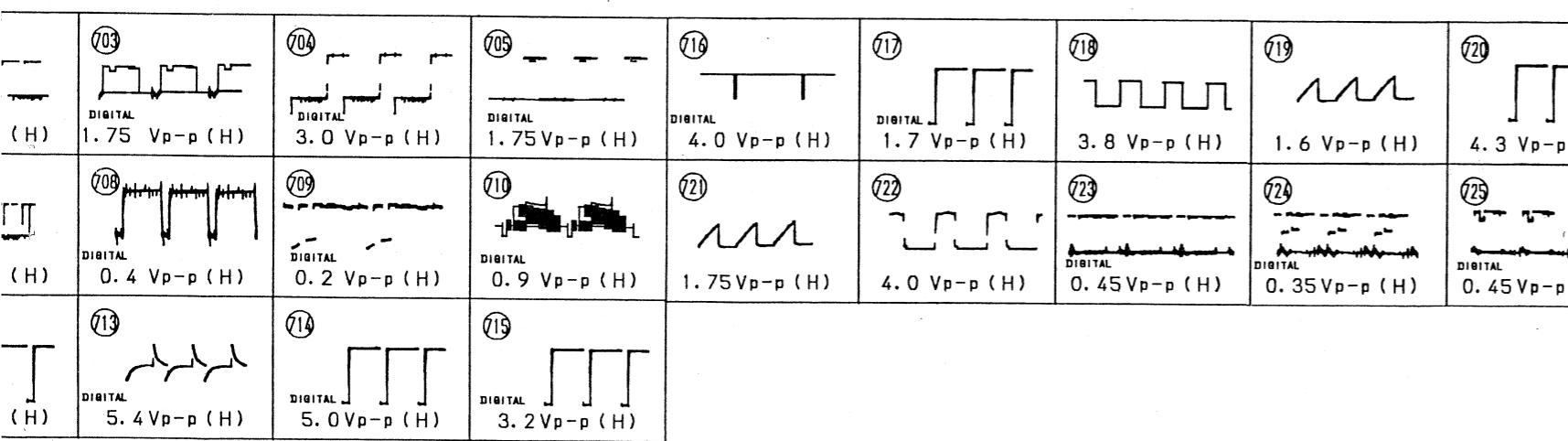
## — QE Board —



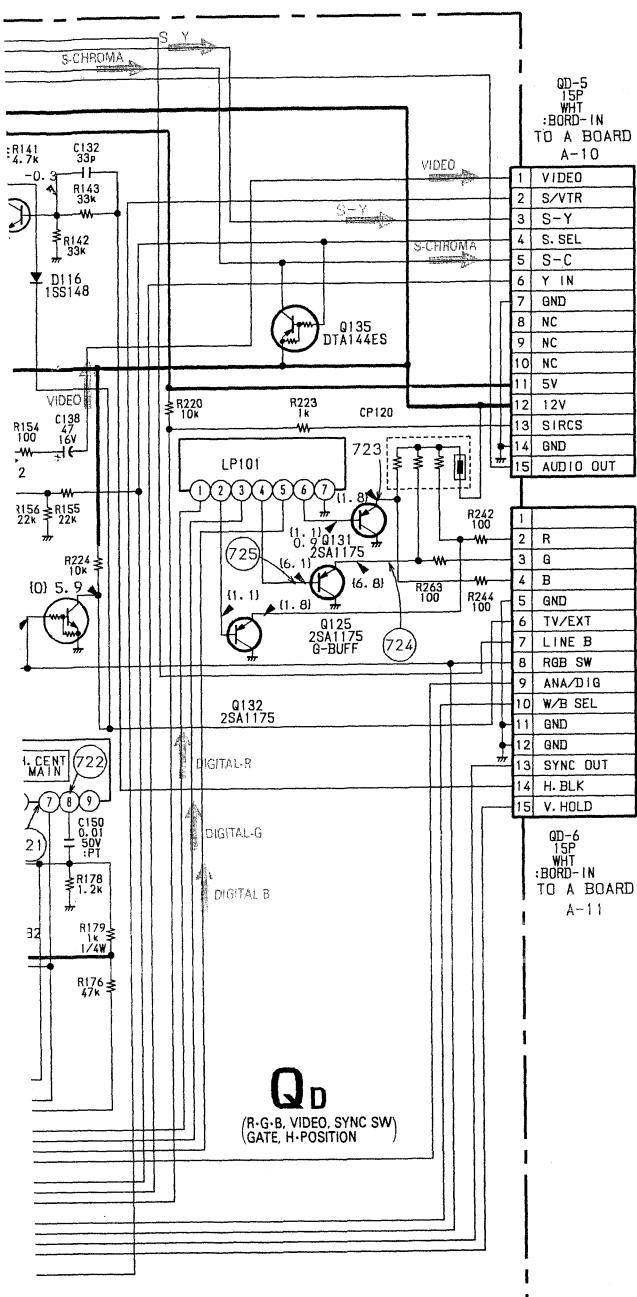
QD BOARD									
IC-Nr	Pin-Nr	PA	SECAM	NTSC	NTSC	NTSC	VVIDEO	DIGITAL	
Q105	C	0.9	0.9	0.9	0.9	0.9	0.9	1.1	
Q105	C	1.5	1.5	1.5	1.5	1.5	1.5	1.8	
Q105	E	0.9	0.9	0.9	0.9	0.9	0.9	1.1	
Q106	C	1.4	1.4	1.4	1.4	1.4	1.4	1.8	
Q109	B	0.5	0.5	0.5	10.5	0.5	4.2		
Q110	B	0	0	0	0	0	0	4.3	

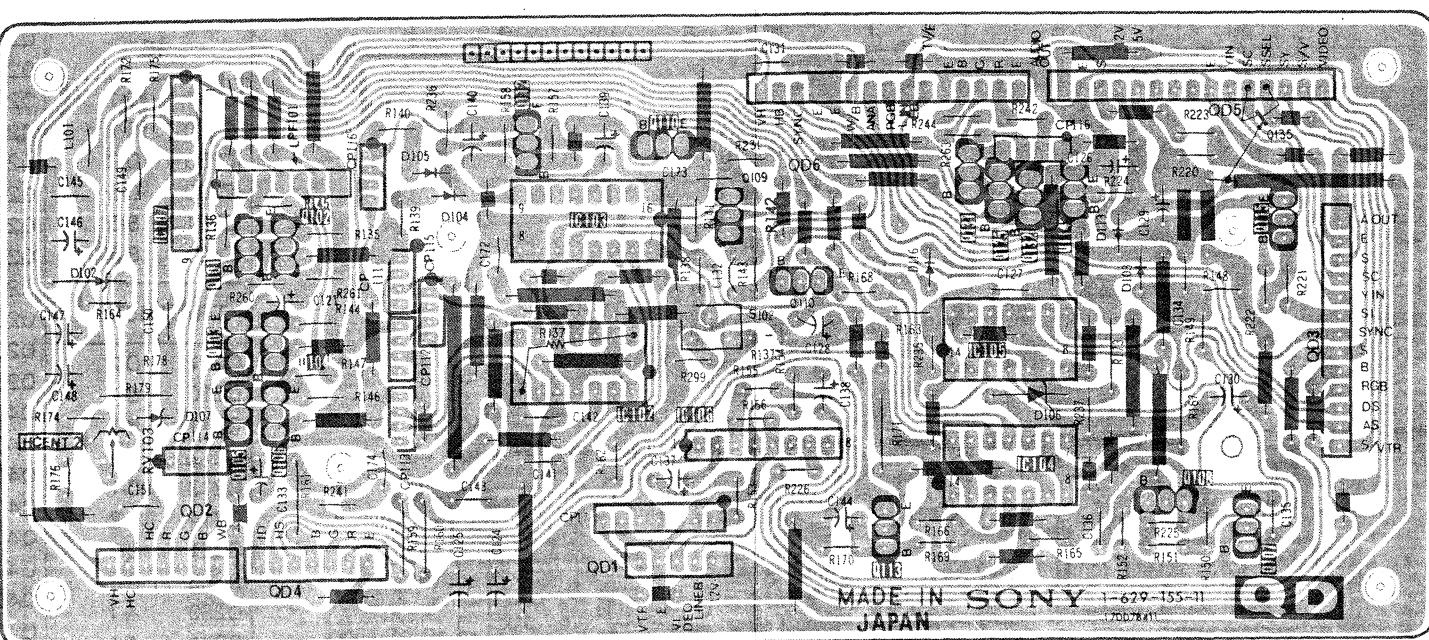
IC-Nr	Pin-Nr	PA	SECAM	NTSC	NTSC	NTSC	VVIDEO	DIGITAL
IC102	1	5.0	5.0	5.0	5.0	3.4	3.5	
IC102	4	4.5	4.4	4.5	4.6	4.5	4.2	
IC102	5	0	0	0	0	0	0	4.5
IC104	1	0.8	0.8	0.8	0.8	1.2	3.3	
IC104	4	1.1	1.1	1.1	1.1	1.1	1.1	
IC104	5	5.0	5.0	5.0	5.0	3.5	3.5	
IC105	1	0.4	0.5	0.5	0.5	0.5	4.8	
IC105	2	0.5	0.5	0.5	0.5	0.5	4.8	
IC106	1	0	0	0	0	0	0	4.3
IC106	2	0	0	0	0	0	0	4.3
IC106	3	0.2	0.3	0.3	0.3	0.3	0.3	0.6
IC106	4	4.5	4.5	4.5	4.5	4.5	4.2	
IC107	1	0	0	0	0	0	0	1.6
IC107	2	0	0	0	0	0	0	1.6



20 21 22 23

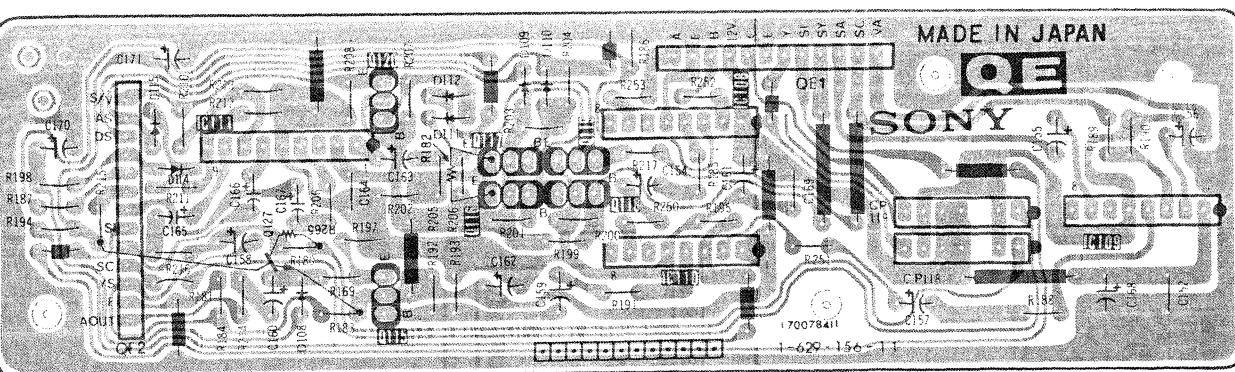


— QD Board —

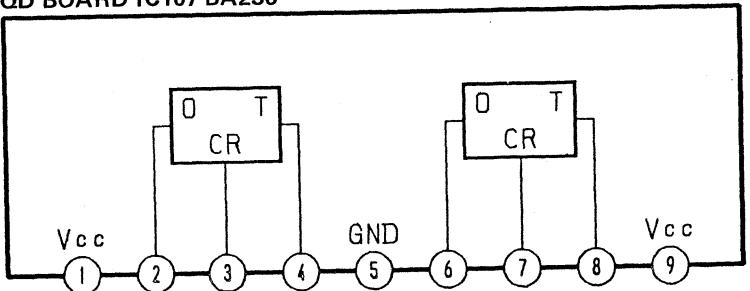


— QE Board —

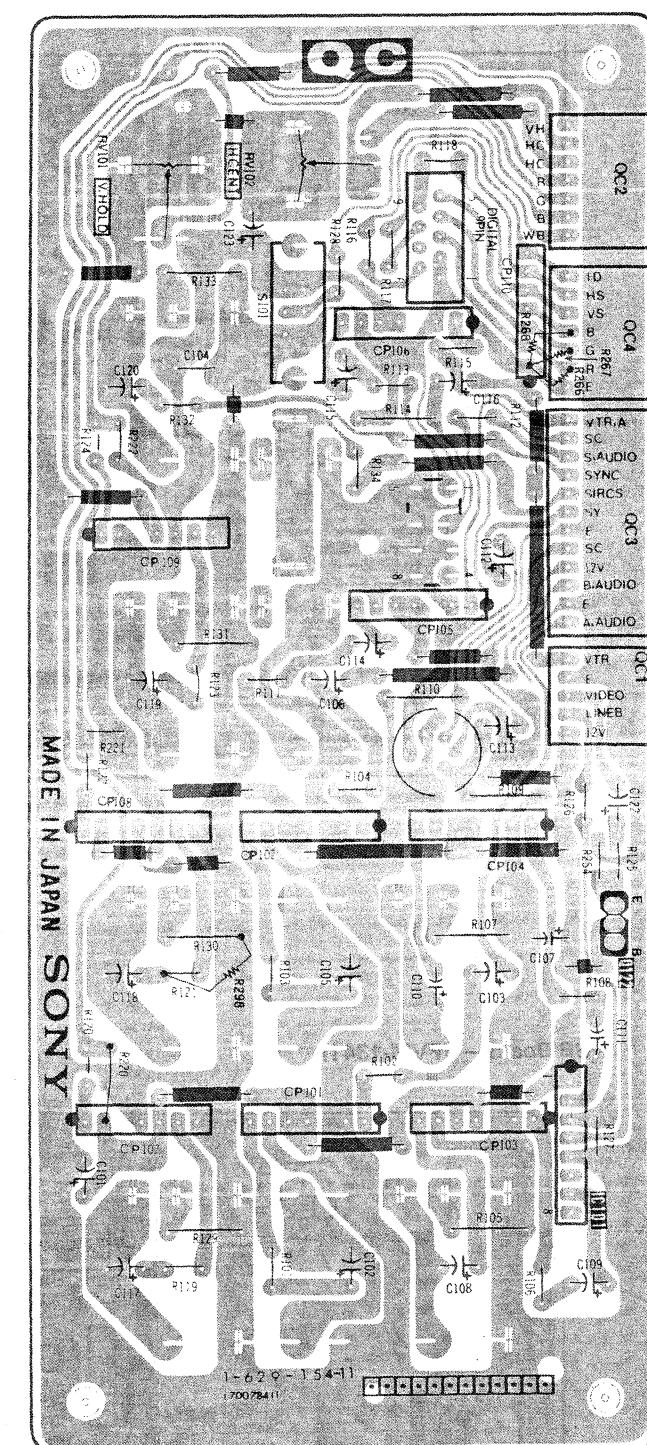
— QE Board —



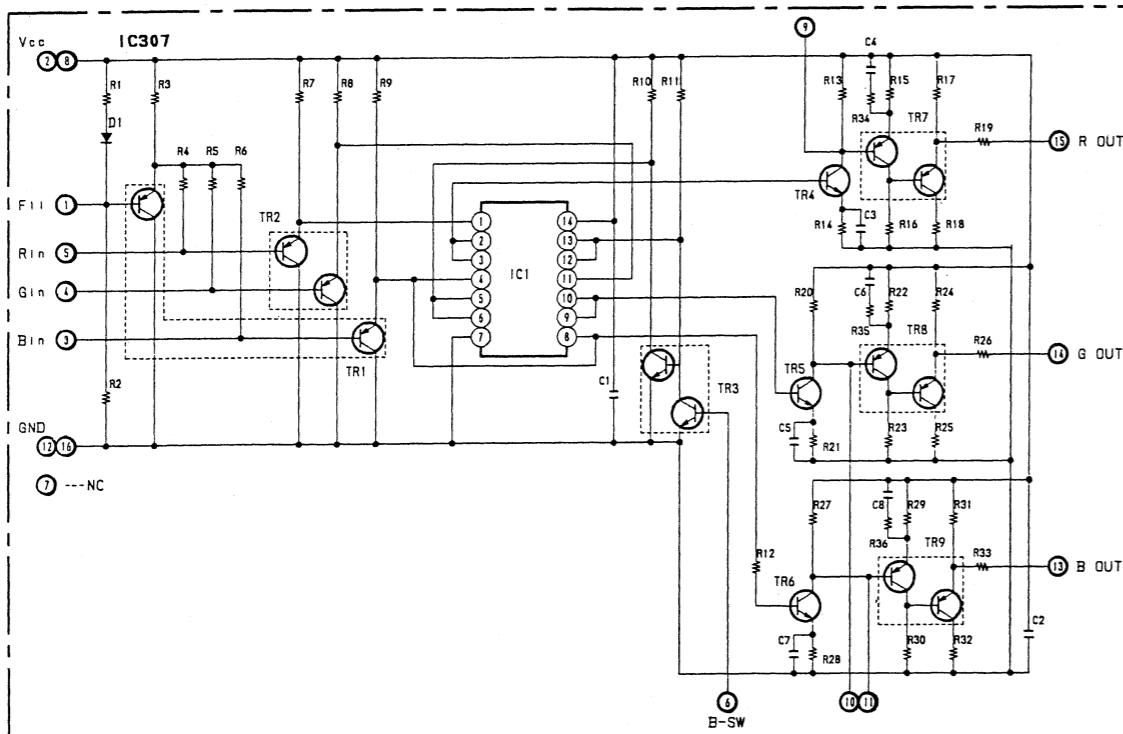
QD BOARD IC107 BA236



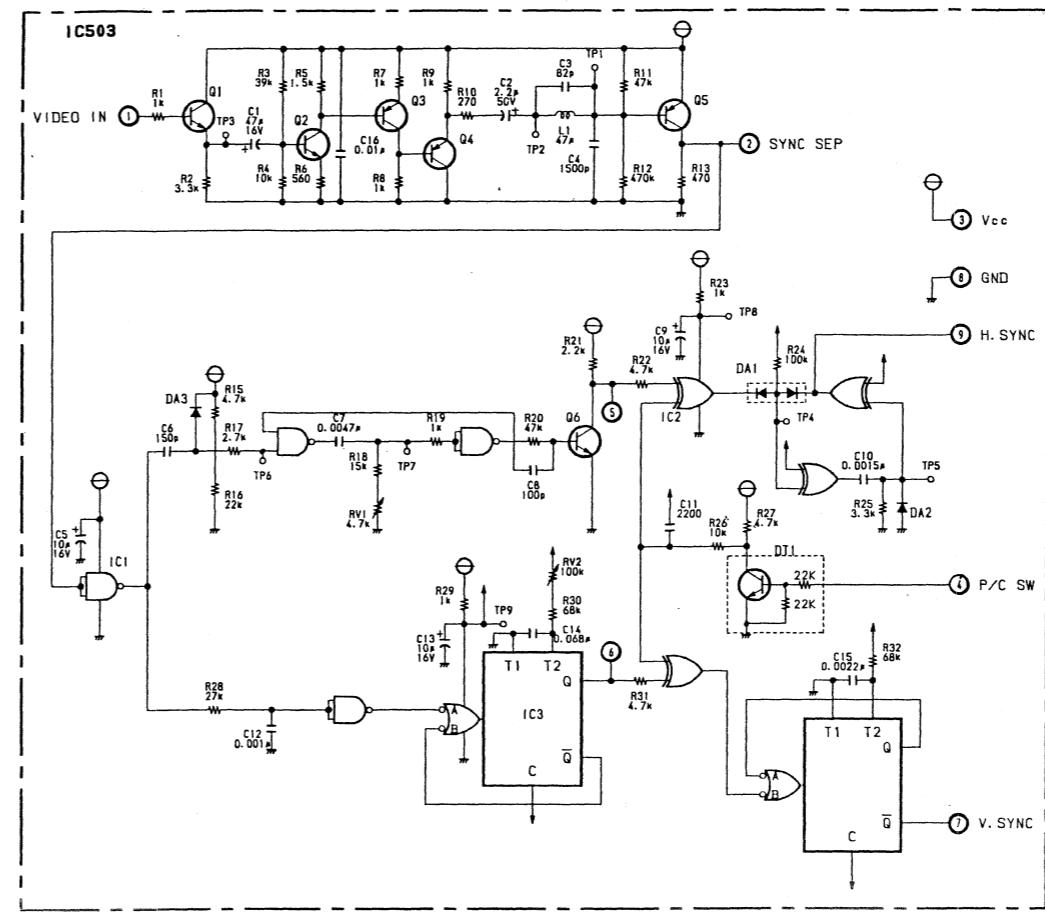
— QC Board —



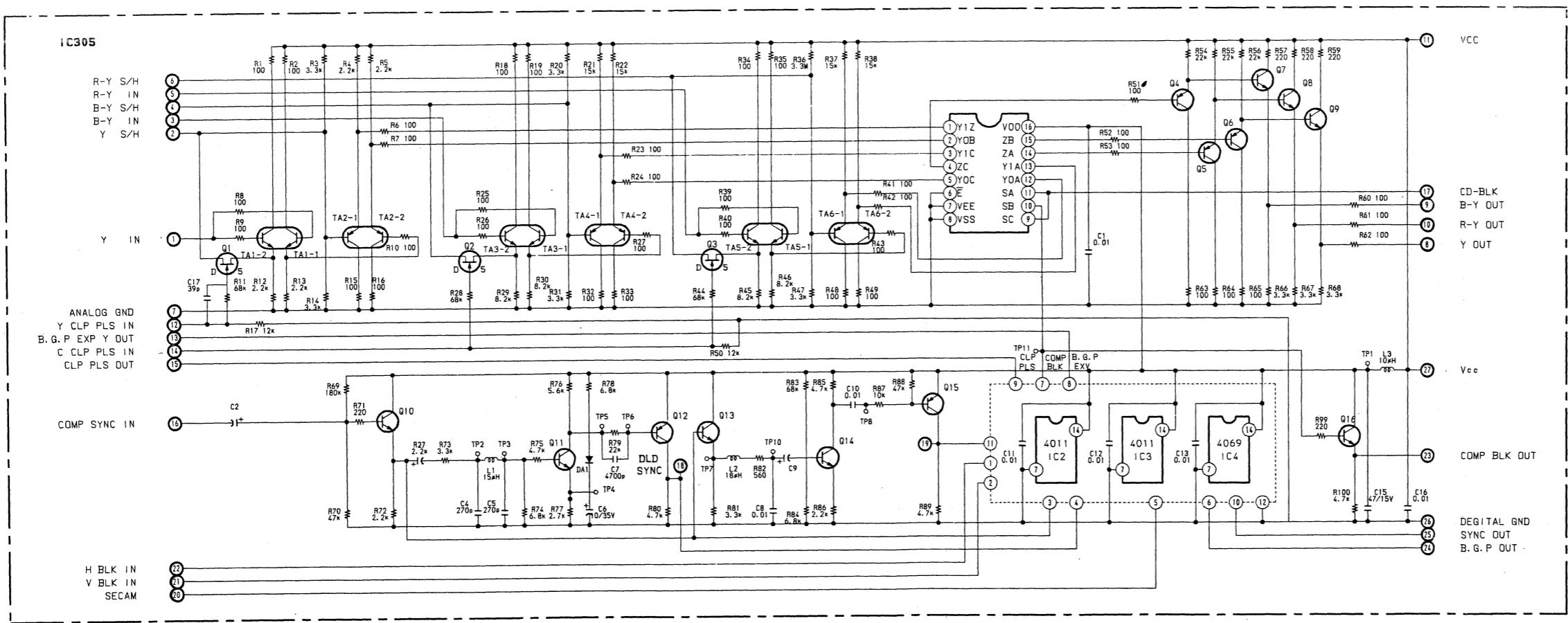
A BOARD IC307



A BOARD IC503



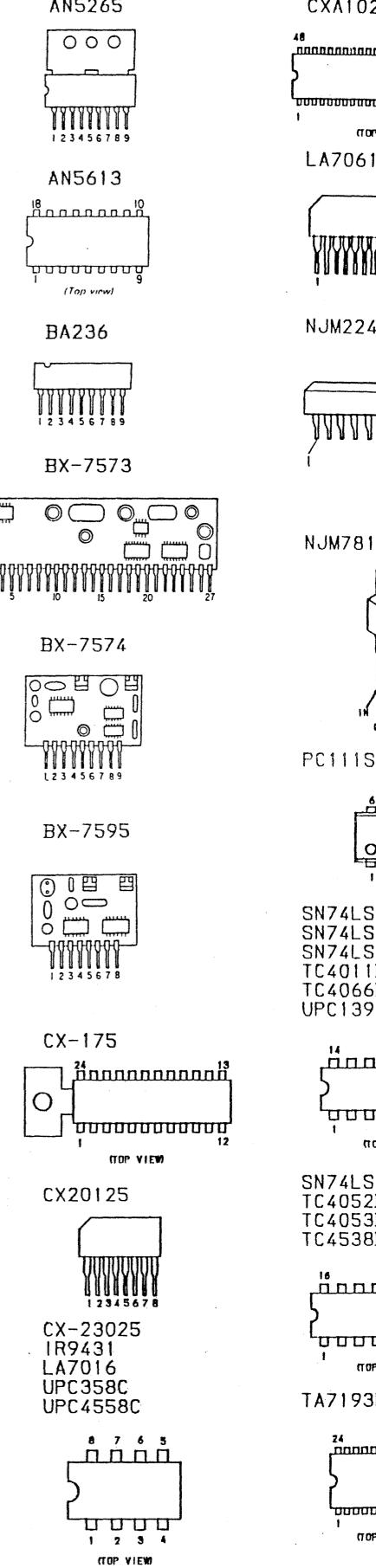
## A BOARD IC 305



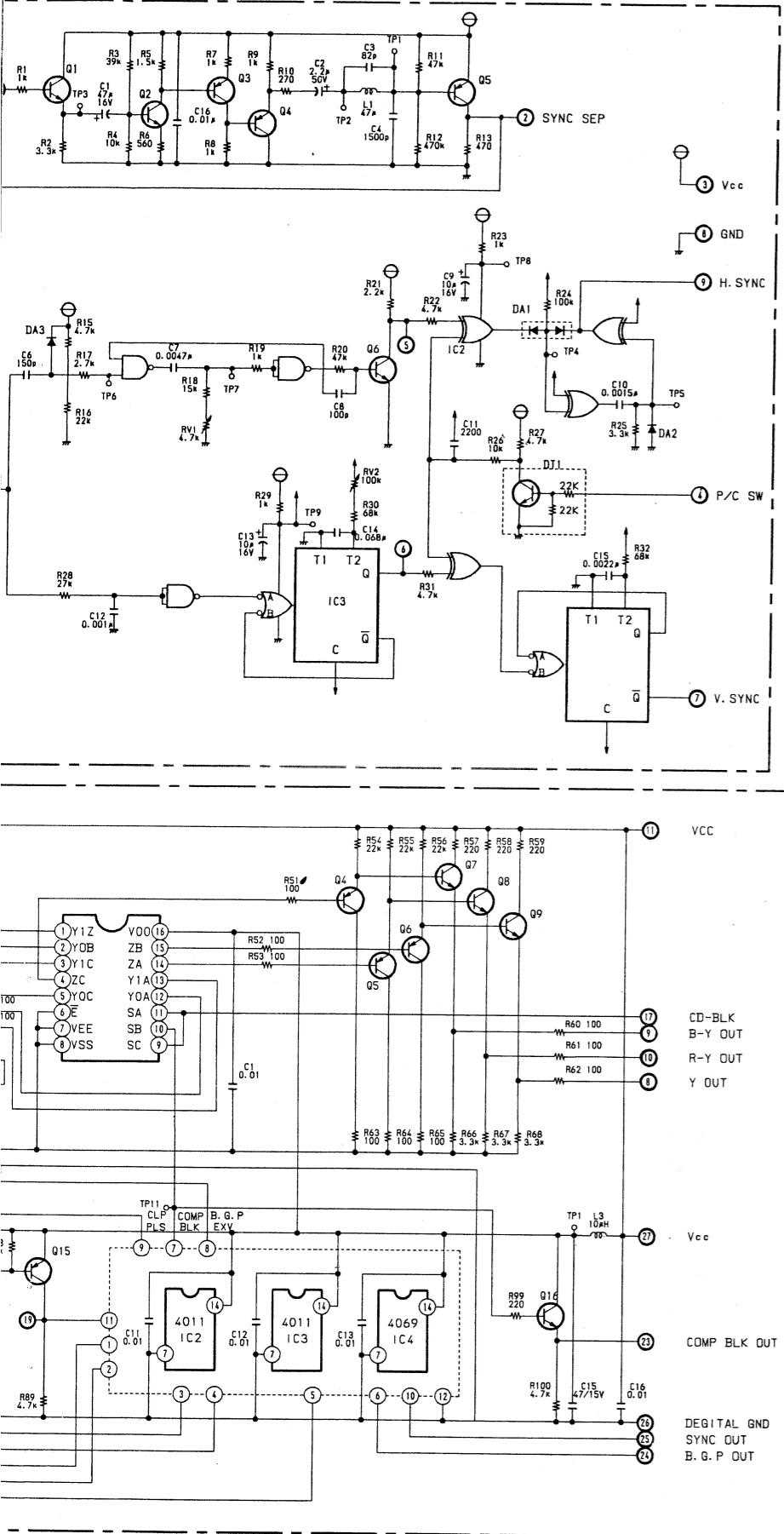
-61-

-62-

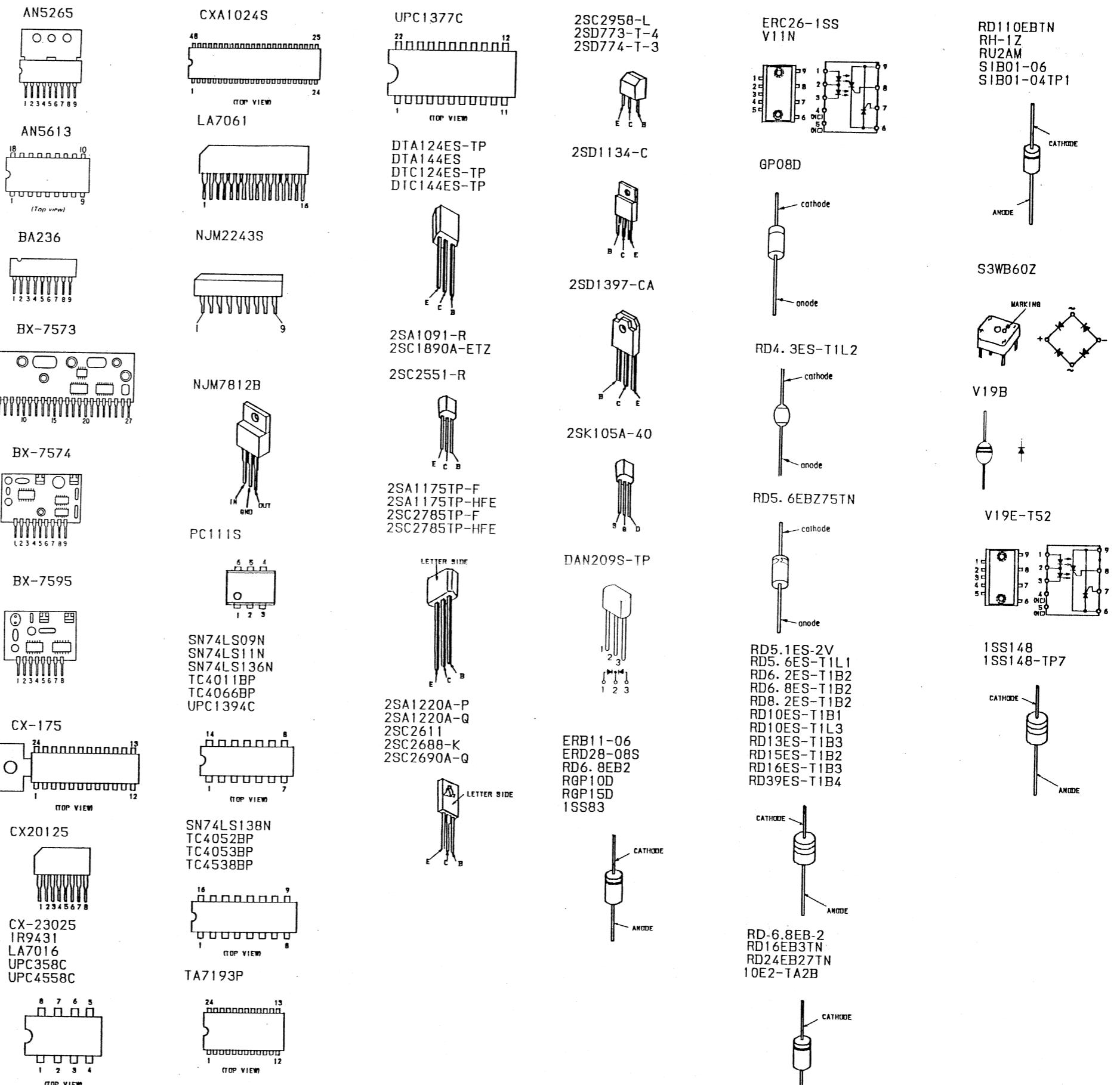
AN5265



IC503



## 6-6. SEMICONDUCTORS



## MEMO

## NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

SECTION 7  
EXPLODED VIEWS

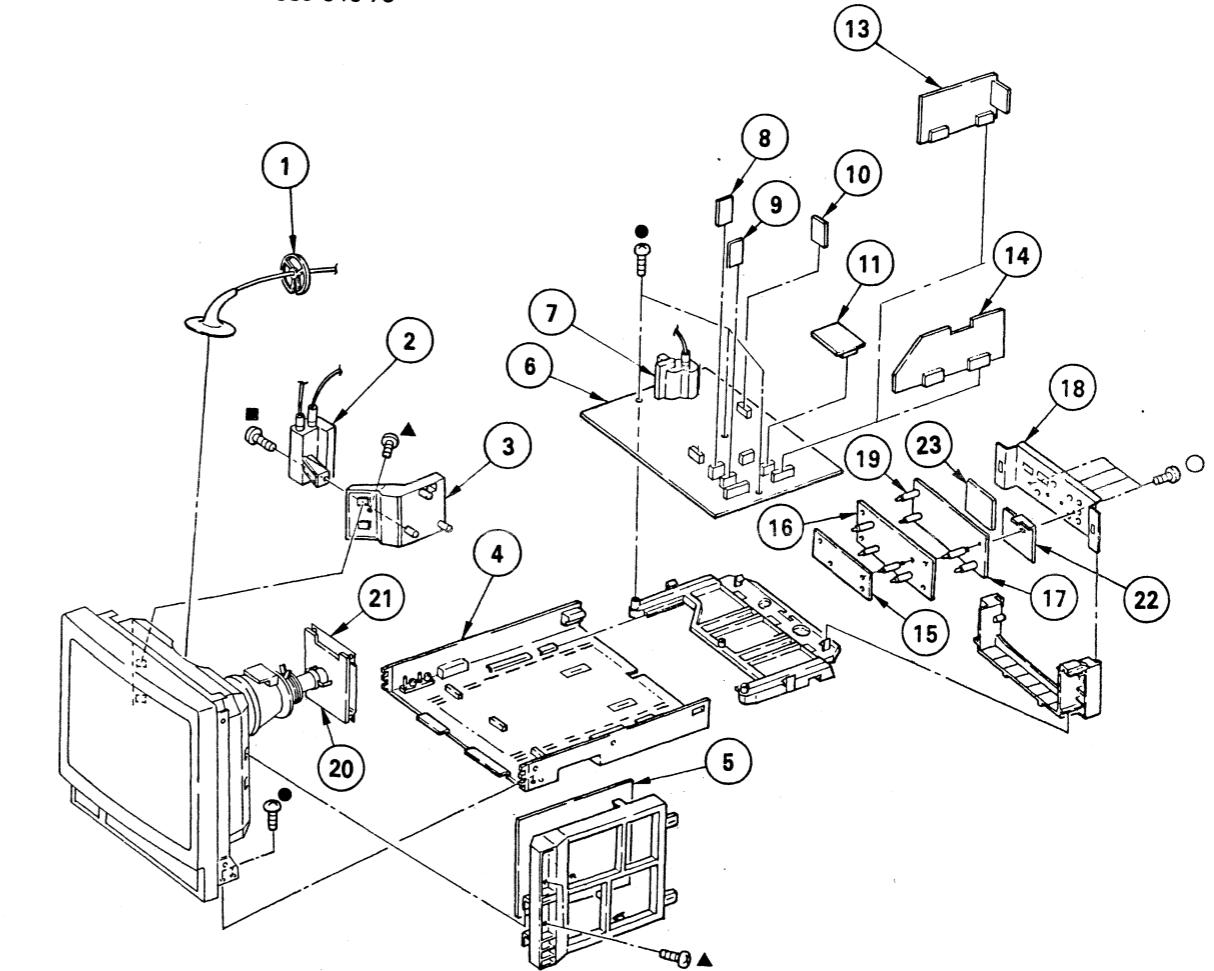
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## 7-1. CHASSIS

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79
- ▲: BVTT4 x 8 7-682-561-04
- : BVTP3 x 8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2	*1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		12	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		13	*A-1135-532-A	BA BOARD, COMPLETE	10, 11, 20 (PVM-1342Q/1343MD ONLY)
4	X-4391-805-1	CABINET ASSY, BOTTOM		14			
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		15	*A-1270-249-A	QE BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
6	*A-1296-520-A	A BOARD, COMPLETE	8, 9	17	*A-1270-247-A	QC BOARD, COMPLETE	
7	*1-439-395-12	TRANSFORMER ASSY, FLYBACK		18	4-391-843-12	PLATE, TERMINAL	
8	*1-629-149-11	W BOARD		19	*3-682-419-01	HOLDER, P.C.B.	
9	*1-629-151-11	XA BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		21	*4-391-835-01	PLATE (C) SHIELD	
				22	1-537-191-11	TERMINAL BOARD, INPUT/OUTPUT (R)	
				23	1-537-192-11	TERMINAL BOARD, INPUT/OUTPUT (L)	

## SECTION 7

### EXPLODED VIEWS

## NOTE:

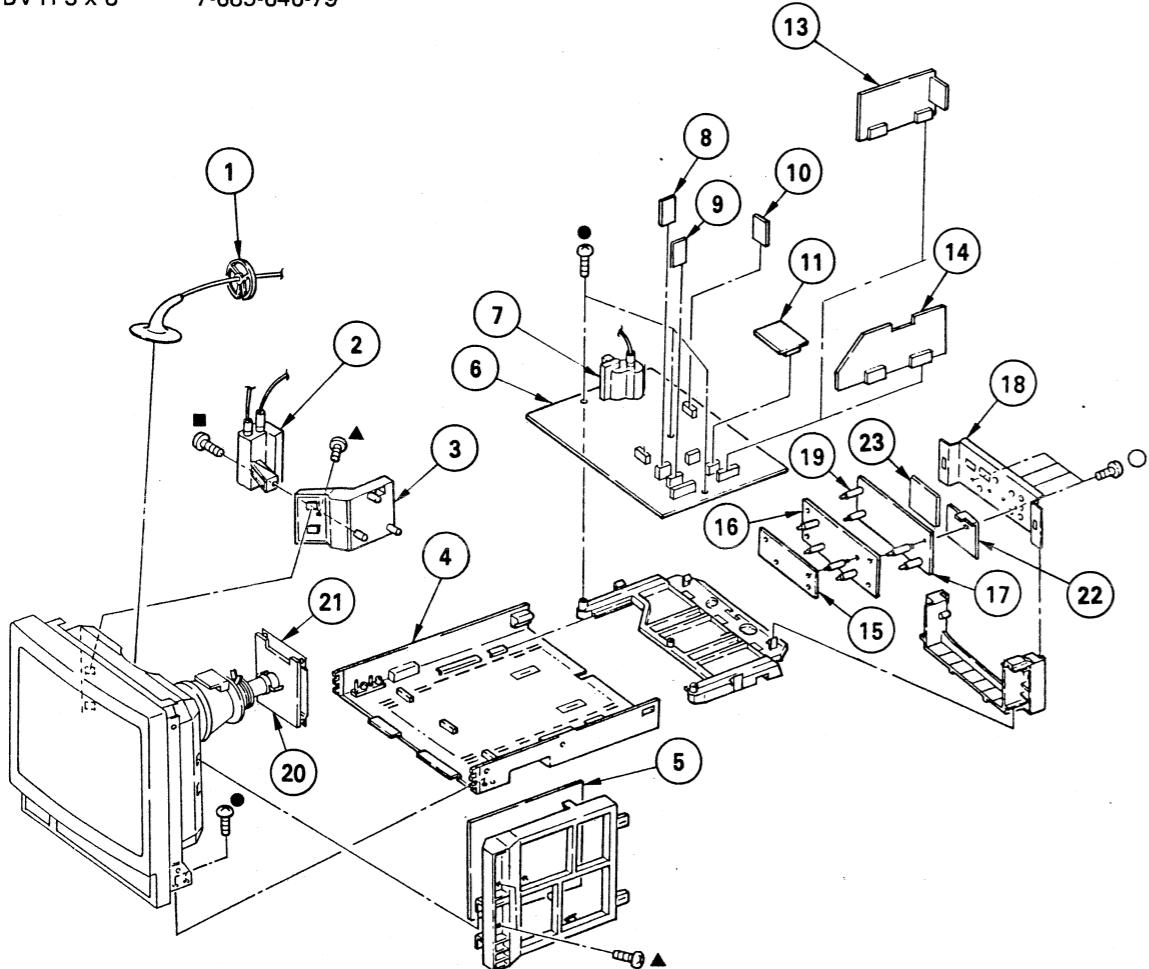
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

## 7-1. CHASSIS

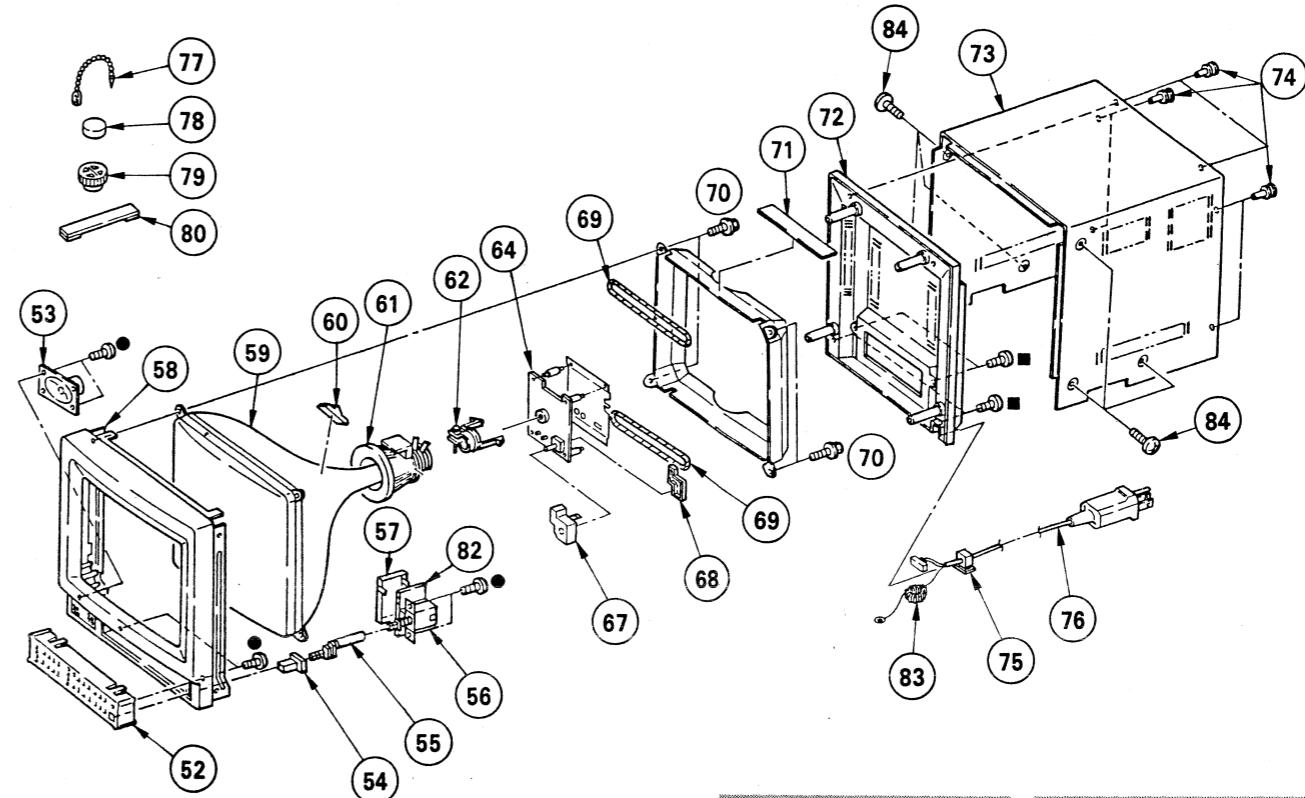
- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79
- ▲: BVTT4 x 8 7-682-561-04
- : BVTP3 x 8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2	*A-1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE (PVM-1342Q/1343MD ONLY)	10, 11, 20
4	X-4391-805-1	CABINET ASSY, BOTTOM		15	*A-1270-249-A	QE BOARD, COMPLETE	
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		17	*A-1270-247-A	QC BOARD, COMPLETE	
6	*A-1296-520-A	A BOARD, COMPLETE	8, 9	18	4-391-843-12	PLATE, TERMINAL	
	*A-1-439-395-12	TRANSFORMER ASSY, FLYBACK		19	*3-682-419-01	HOLDER, P.C.B.	
8	*1-629-149-11	W BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
9	*1-629-151-11	XA BOARD		21	*4-391-835-01	PLATE (C) SHIELD	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		22	1-537-191-11	TERMINAL BOARD, INPUT/OUTPUT (R)	
				23	1-537-192-11	TERMINAL BOARD, INPUT/OUTPUT (L)	

## 7-2. PICTURE TUBE

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79



Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69	$\Delta$ 1-426-375-11	COIL, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-11	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
	$\Delta$ 1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
56	*4-391-820-01	COVER, AC SWITCH			X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
57	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		74	4-391-825-01	RIVET, NYLON	
58	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)		75	$\Delta$ 4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)			$\Delta$ 4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
59	$\Delta$ 8-734-822-05	PICTURE TUBE (M34KBE20X)		76	$\Delta$ 1-574-443-11	CORD, POWER(WITH NOISE FILTER) (PVM-1341/1342Q ONLY)	
		(PVM-1342Q/1343MD ONLY)			A 1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT) (PVM-1343MD ONLY)	
60	3-703-961-01	SPACER, DY		77	4-308-870-00	CLIP, LEAD WIRE	
61	$\Delta$ 1-451-329-11	DEFLECTION YOKE (SY-222)		78	1-452-032-00	MAGNET, DISK; 10MM $\phi$	
62	*4-382-050-01	BAND, C PC BOARD		79	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$	
64	*A-1330-913-A	C BOARD, COMPLETE		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
				82	*1-629-153-11	J BOARD	
				83	1-543-604-11	CORE, RING	
				84	4-847-802-11	SCREW (OS), CASE, CLAW	

## SECTION 8

## **ELECTRICAL PARTS LIST**

BA

**NOTE:**

The components identified by shading and mark  are critical for safety.  
Replace only with part number specified.

Les composants identifies par une trame et une marque  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

## RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

## COILS

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
*A-1135-532-A		BA BOARD, COMPLETE			C280	1-108-624-11	MYLAR	0.0068MF	10%		
		***** (PVM-13420/1343MD ONLY)			C281	1-124-478-11	ELECT	100MF	20%		
		CONNECTOR			C292	1-101-004-00	CERAMIC	0.01MF	50V		
BA1		*1-565-491-11 CONNECTOR, BOARD TO BOARD 15P			C401	1-123-875-11	ELECT	10MF	20%		
BA2		*1-565-491-11 CONNECTOR, BOARD TO BOARD 15P			C402	1-101-888-00	CERAMIC	68PF	5%		
		FILTER			C403	1-102-116-00	CERAMIC	680PF	10%		
BPF243		1-236-363-11 FILTER, BAND PASS			C404	1-136-161-00	FILM	0.047MF	5%		
BPF244		1-236-364-11 FILTER, BAND PASS			C405	1-102-074-00	CERAMIC	0.001MF	10%		
		CAPACITOR			C406	1-124-477-11	ELECT	47MF	20%		
C201		1-124-120-11 ELECT		220MF	20%	25V	C407	1-101-890-00	CERAMIC	75PF	5%
C202		1-102-125-00 CERAMIC		0.0047MF	10%	50V	C408	1-102-722-91	CERAMIC	27PF	5%
C203		1-102-125-00 CERAMIC		0.0047MF	10%	50V	C409	1-136-165-00	FILM	0.1MF	5%
C207		1-124-477-11 ELECT		47MF	20%	25V	C410	1-136-165-00	FILM	0.1MF	5%
C208		1-124-477-11 ELECT		47MF	20%	25V	C411	1-136-165-00	FILM	0.1MF	5%
C209		1-124-477-11 ELECT		47MF	20%	25V	C412	1-102-129-00	CERAMIC	0.01MF	10%
C210		1-124-477-11 ELECT		47MF	20%	25V	C413	1-124-499-11	ELECT	1MF	20%
C211		1-124-477-11 ELECT		47MF	20%	25V	C414	1-136-173-00	FILM	0.47MF	5%
C212		1-124-477-11 ELECT		47MF	20%	25V	C415	1-123-875-11	ELECT	10MF	20%
C213		1-124-477-11 ELECT		47MF	20%	25V	C416	1-102-118-00	CERAMIC	0.0012MF	10%
C214		1-101-004-00 CERAMIC		0.01MF		50V	C417	1-124-477-11	ELECT	47MF	20%
C221		1-124-902-00 ELECT		0.47MF	20%	50V	C418	1-124-499-11	ELECT	1MF	20%
C222		1-124-464-11 ELECT		0.22MF	20%	50V	C419	1-124-478-11	ELECT	100MF	20%
C223		1-102-959-00 CERAMIC		22PF	5%	50V	C420	1-136-165-00	FILM	0.1MF	5%
C224		1-101-888-00 CERAMIC		68PF	5%	50V	C421	1-102-722-91	CERAMIC	27PF	5%
C225		1-101-888-00 CERAMIC					C422	1-136-165-00	FILM	0.1MF	50V
C230		1-124-120-11 ELECT		220MF	20%	25V	C423	1-123-875-11	ELECT	10MF	20%
C240		1-101-004-00 CERAMIC		0.01MF		50V	C424	1-136-165-00	FILM	0.1MF	50V
C241		1-124-120-11 ELECT		220MF	20%	25V	C425	1-101-361-00	CERAMIC	150PF	5%
C242		1-124-478-11 ELECT		100MF	20%	25V	C426	1-101-890-00	CERAMIC	75PF	5%
C243		1-124-120-11 ELECT		220MF	20%	25V	C427	1-124-120-11	ELECT	220MF	20%
C245		1-101-004-00 CERAMIC		0.01MF		50V	C428	1-124-477-11	ELECT	47MF	20%
C246		1-123-875-11 ELECT		10MF	20%	50V	C429	1-124-477-11	ELECT	47MF	20%
C247		1-101-004-00 CERAMIC		0.01MF		50V	C430	1-101-004-00	CERAMIC	0.01MF	50V
C248		1-102-125-00 CERAMIC		0.0047MF	10%	50V	C431	1-101-884-00	CERAMIC	56PF	5%
C250		1-161-021-11 CERAMIC		0.047MF	10%	25V	C432	1-101-004-00	CERAMIC	0.01MF	50V
C251		1-102-125-00 CERAMIC		0.0047MF	10%	50V	C433	1-124-478-11	ELECT	100MF	20%
C252		1-102-125-00 CERAMIC		0.0047MF	10%	50V	C434	1-101-884-00	CERAMIC	56PF	5%
C253		1-102-125-00 CERAMIC		0.0047MF	10%	50V	C435	1-101-884-00	CERAMIC	56PF	5%
C254		1-102-125-00 CERAMIC		0.0047MF	10%	50V	C441	1-102-959-00	CERAMIC	22PF	5%
C255		1-101-004-00 CERAMIC		0.01MF		50V	C442	1-161-021-11	CERAMIC	0.047MF	10%
C256		1-102-125-00 CERAMIC		0.0047MF	10%	50V	FILTER BLOCK				
C257		1-102-125-00 CERAMIC		0.0047MF	10%	50V	CFM201 1-464-880-11 FILTER BLOCK, COM (CFB-2)				
C258		1-102-125-00 CERAMIC		0.0047MF	10%	50V	MODULE				
C259		1-102-978-00 CERAMIC		220PF	5%	50V	CTR210 1-236-366-11 MODULE, TRAP				
C260		1-101-003-00 CERAMIC		0.0047MF		50V	CTR211 1-236-365-11 MODULE, TRAP				
C261		1-124-478-11 ELECT		100MF	20%	25V	DIODE				
C262		1-101-003-00 CERAMIC		0.0047MF		50V	D210 8-719-911-19 DIODE 1SS119				
C263		1-102-978-00 CERAMIC		220PF	5%	50V	D211 8-719-911-19 DIODE 1SS119				
C264		1-101-004-00 CERAMIC		0.01MF		50V	D212 8-719-911-19 DIODE 1SS119				
C265		1-101-002-00 CERAMIC		0.0022MF		50V	D213 8-719-911-19 DIODE 1SS119				
C266		1-101-002-00 CERAMIC		0.0022MF		50V	D214 8-719-911-19 DIODE 1SS119				
C267		1-101-002-00 CERAMIC		0.0022MF		50V	D215 8-719-911-19 DIODE 1SS119				
C268		1-101-002-00 CERAMIC		0.0022MF		50V	D216 8-719-911-19 DIODE 1SS119				
C269		1-101-002-00 CERAMIC		0.0022MF		50V	D217 8-719-911-19 DIODE 1SS119				

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D211	8-719-911-19	DIODE 1SS119		Q280	8-729-900-89	TRANSISTOR DTC144ES	
D212	8-719-911-19	DIODE 1SS119		Q401	8-729-178-54	TRANSISTOR 2SC2785	
D240	8-719-110-16	DIODE RD10ES-B1		Q402	8-729-178-54	TRANSISTOR 2SC2785	
D280	8-719-911-19	DIODE 1SS119		Q403	8-729-178-54	TRANSISTOR 2SC2785	
D401	8-719-911-19	DIODE 1SS119		Q404	8-729-178-54	TRANSISTOR 2SC2785	
D402	8-719-911-19	DIODE 1SS119		Q405	8-729-900-63	TRANSISTOR DTA124ES	
<u>DELAY LINE</u>				Q406	8-729-178-54	TRANSISTOR 2SC2785	
DL230	1-415-632-11	DELAY LINE, Y		Q407	8-729-178-54	TRANSISTOR 2SC2785	
<u>IC</u>				Q408	8-729-178-54	TRANSISTOR 2SC2785	
<u>IC</u>				Q409	8-729-178-54	TRANSISTOR 2SC2785	
FPG280	8-749-920-73	IC BX7595		Q410	8-729-178-54	TRANSISTOR 2SC2785	
IC201	8-759-800-81	IC LA7016		Q411	8-729-117-54	TRANSISTOR 2SA1175	
IC210	8-759-240-53	IC TC4053BP		<u>RESISTOR</u>			
IC250	8-759-800-81	IC LA7016		JW95	1-249-411-11	CARBON	330 5% 1/4W
IC260	8-759-208-14	IC TC4066BPHB		R201	1-249-435-11	CARBON	33K 5% 1/4W
IC261	8-759-208-14	IC TC4066BPHB		R202	1-249-435-11	CARBON	33K 5% 1/4W
IC401	8-751-750-00	IC CX175		R203	1-249-405-11	CARBON	100 5% 1/4W
<u>COIL</u>				R204	1-249-421-11	CARBON	2.2K 5% 1/4W
L280	1-410-509-11	INDUCTOR	10UH	R205	1-249-433-11	CARBON	22K 5% 1/4W
L282	1-410-470-11	INDUCTOR	10UH	R206	1-249-432-11	CARBON	18K 5% 1/4W
L401	1-410-087-31	INDUCTOR	10MMH	R207	1-249-409-11	CARBON	220 5% 1/4W
L402	1-408-411-00	INDUCTOR	15UH	R210	1-249-437-11	CARBON	47K 5% 1/4W
L403	1-404-496-00	COIL		R211	1-249-437-11	CARBON	47K 5% 1/4W
L404	1-408-411-00	INDUCTOR	15UH	R212	1-249-437-11	CARBON	47K 5% 1/4W
L405	1-404-496-00	COIL		R213	1-249-429-11	CARBON	10K 5% 1/4W
L406	1-410-470-11	INDUCTOR	10UH	R214	1-249-433-11	CARBON	22K 5% 1/4W
L408	1-410-336-11	INDUCTOR	220UH	R215	1-249-437-11	CARBON	47K 5% 1/4W
<u>MODULE</u>				R216	1-249-429-11	CARBON	10K 5% 1/4W
PCM290	1-808-628-11	MODULE, PHASE PHM-1		R217	1-249-429-11	CARBON	10K 5% 1/4W
<u>TRANSISTOR</u>				R218	1-249-425-11	CARBON	4.7K 5% 1/4W
Q201	8-729-178-54	TRANSISTOR 2SC2785		R219	1-249-405-11	CARBON	100 5% 1/4W
Q210	8-729-178-54	TRANSISTOR 2SC2785		R220	1-249-428-11	CARBON	8.2K 5% 1/4W
Q211	8-729-117-54	TRANSISTOR 2SA1175		R221	1-249-423-11	CARBON	3.3K 5% 1/4W
Q212	8-729-900-89	TRANSISTOR DTC144ES		R222	1-249-439-11	CARBON	68K 5% 1/4W
Q213	8-729-900-89	TRANSISTOR DTC144ES		R224	1-249-439-11	CARBON	68K 5% 1/4W
Q214	8-729-178-54	TRANSISTOR 2SC2785		R225	1-249-439-11	CARBON	68K 5% 1/4W
Q221	8-729-900-89	TRANSISTOR DTC144ES		R226	1-249-439-11	CARBON	68K 5% 1/4W
Q222	8-729-900-63	TRANSISTOR DTA124ES		R227	1-249-386-11	CARBON	2.7 5% 1/4W F
Q230	8-729-178-54	TRANSISTOR 2SC2785		R228	1-249-433-11	CARBON	22K 5% 1/4W
Q231	8-729-178-54	TRANSISTOR 2SC2785		R229	1-249-433-11	CARBON	22K 5% 1/4W
Q232	8-729-178-54	TRANSISTOR 2SC2785		R230	1-249-429-11	CARBON	10K 5% 1/4W
Q233	8-729-117-54	TRANSISTOR 2SA1175		R231	1-249-422-11	CARBON	2.7K 5% 1/4W
Q234	8-729-178-54	TRANSISTOR 2SC2785		R232	1-249-415-11	CARBON	680 5% 1/4W
Q240	8-729-177-42	TRANSISTOR 2SD774-3		R233	1-249-415-11	CARBON	680 5% 1/4W
Q241	8-729-178-54	TRANSISTOR 2SC2785		R234	1-249-411-11	CARBON	330 5% 1/4W
Q242	8-729-178-54	TRANSISTOR 2SC2785		R235	1-249-416-11	CARBON	820 5% 1/4W
Q243	8-729-178-54	TRANSISTOR 2SC2785		R236	1-249-411-11	CARBON	330 5% 1/4W
Q258	8-729-178-54	TRANSISTOR 2SC2785		R237	1-249-411-11	CARBON	330 5% 1/4W
Q259	8-729-178-54	TRANSISTOR 2SC2785		R238	1-249-405-11	CARBON	100 5% 1/4W
Q260	8-729-900-89	TRANSISTOR DTC144ES		R239	1-249-417-11	CARBON	1K 5% 1/4W
Q261	8-729-178-54	TRANSISTOR 2SC2785		R240	1-249-407-11	CARBON	150 5% 1/4W
Q262	8-729-178-54	TRANSISTOR 2SC2785		R241	1-247-895-00	CARBON	470K 5% 1/4W
Q263	8-729-178-54	TRANSISTOR 2SC2785		R242	1-249-421-11	CARBON	2.2K 5% 1/4W
Q264	8-729-117-54	TRANSISTOR 2SA1175		R243	1-249-435-11	CARBON	33K 5% 1/4W
Q265	8-729-178-54	TRANSISTOR 2SC2785		R244	1-249-435-11	CARBON	33K 5% 1/4W
Q266	8-729-178-54	TRANSISTOR 2SC2785		R245	1-249-422-11	CARBON	2.7K 5% 1/4W
Q267	8-729-178-54	TRANSISTOR 2SC2785		R246	1-249-435-11	CARBON	33K 5% 1/4W
Q268	8-729-178-54	TRANSISTOR 2SC2785		R247	1-249-435-11	CARBON	33K 5% 1/4W
Q269	8-729-178-54	TRANSISTOR 2SC2785		R248	1-249-422-11	CARBON	2.7K 5% 1/4W
Q270	8-729-178-54	TRANSISTOR 2SC2785		R249	1-249-432-11	CARBON	18K 5% 1/4W
Q271	8-729-178-54	TRANSISTOR 2SC2785		R250	1-249-405-11	CARBON	100 5% 1/4W
Q272	8-729-117-54	TRANSISTOR 2SA1175		R251	1-249-433-11	CARBON	22K 5% 1/4W
Q273	8-729-178-54	TRANSISTOR 2SC2785		R252	1-249-421-11	CARBON	2.2K 5% 1/4W

The components identified by shading and mark  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**PVM-1341/1342Q/1343MD**

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Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
<b>DIODE</b>											
D701	8-719-911-19	DIODE 1SS119		R725	1-202-719-00	SOLID	1M 10% 1/2W				
D702	8-719-911-19	DIODE 1SS119		R731	1-249-409-11	CARBON	220 5% 1/4W				
D703	8-719-911-19	DIODE 1SS119		R732	1-249-409-11	CARBON	220 5% 1/4W				
D704	8-719-911-19	DIODE 1SS119		R733	1-249-409-11	CARBON	220 5% 1/4W				
D705	8-719-911-19	DIODE 1SS119		R734	1-249-409-11	CARBON	220 5% 1/4W F				
D706	8-719-911-19	DIODE 1SS119		R735	1-249-409-11	CARBON	220 5% 1/4W F				
D707	8-719-901-83	DIODE 1SS83		R736	1-249-409-11	CARBON	220 5% 1/4W F				
D708	8-719-901-83	DIODE 1SS83		R737	1-249-405-11	CARBON	100 5% 1/4W				
D709	8-719-901-83	DIODE 1SS83		R738	1-249-405-11	CARBON	100 5% 1/4W				
D713	8-719-901-83	DIODE 1SS83		R739	1-249-405-11	CARBON	100 5% 1/4W				
D715	8-719-901-83	DIODE 1SS83		R740	1-249-429-11	CARBON	10K 5% 1/4W F				
D716	8-719-901-83	DIODE 1SS83		R741	1-249-429-11	CARBON	10K 5% 1/4W F				
D717	8-719-901-83	DIODE 1SS83		R742	1-249-429-11	CARBON	10K 5% 1/4W F				
<b>ENCAPSULATED COMPONENT</b>											
FL701	1-236-058-11	ENCAPSULATED COMPONENT		R743	1-249-441-11	CARBON	100K 5% 1/4W				
FL702	1-236-058-11	ENCAPSULATED COMPONENT		R744	1-249-429-11	CARBON	10K 5% 1/4W				
FL703	1-236-058-11	ENCAPSULATED COMPONENT		R745	1-249-429-11	CARBON	10K 5% 1/4W				
<b>TRANSISTOR</b>											
Q701	8-729-178-54	TRANSISTOR 2SC2785		R746	1-215-879-51	METAL OXIDE	47K 5% 1W F				
Q702	8-729-178-54	TRANSISTOR 2SC2785		R747	1-247-725-11	CARBON	10K 5% 1/4W F				
Q703	8-729-178-54	TRANSISTOR 2SC2785		R748	1-247-713-11	CARBON	1K 5% 1/4W F				
Q704	8-729-200-17	TRANSISTOR 2SA1091		R749	1-215-902-11	METAL OXIDE	47K 5% 2W F				
Q705	8-729-200-17	TRANSISTOR 2SA1091		R750	1-249-400-11	CARBON	39 5% 1/4W F				
Q706	8-729-200-17	TRANSISTOR 2SA1091		R751	1-247-887-00	CARBON	220K 5% 1/4W				
Q707	8-729-326-11	TRANSISTOR 2SC2611		R752	1-247-887-00	CARBON	220K 5% 1/4W				
Q708	8-729-326-11	TRANSISTOR 2SC2611		R753	1-247-887-00	CARBON	220K 5% 1/4W				
Q709	8-729-326-11	TRANSISTOR 2SC2611		<b>VARIABLE RESISTOR</b>							
Q710	8-729-200-17	TRANSISTOR 2SA1091		RV707	1-230-641-21	RES, ADJ, METAL GLAZE	2.2M				
Q711	8-729-200-17	TRANSISTOR 2SA1091		RV708	1-230-798-11	RES, ADJ, METAL GLAZE	90M				
Q712	8-729-200-17	TRANSISTOR 2SA1091		RV709	1-230-641-21	RES, ADJ, METAL GLAZE	2.2M				
Q713	8-729-255-12	TRANSISTOR 2SC2551		*****							
Q714	8-729-255-12	TRANSISTOR 2SC2551		*1-629-148-11 V BOARD							
Q715	8-729-255-12	TRANSISTOR 2SC2551		*****							
Q716	8-729-255-12	TRANSISTOR 2SC2551		C1700 1-124-120-11 ELECT							
Q717	8-729-255-12	TRANSISTOR 2SC2551		C1701	1-101-004-00 CERAMIC	220MF	20% 25V				
<b>RESISTOR</b>				C1702	1-102-978-00 CERAMIC	0.01MF	5% 50V				
R702	1-215-480-00	METAL	300K	C1703	1-102-978-00 CERAMIC	220PF	5% 50V				
R704	1-215-408-00	METAL	300	C1704	1-102-978-00 CERAMIC	220PF	5% 50V				
R705	1-249-410-11	CARBON	270	C1705	1-124-499-11 ELECT	1MF	20% 50V				
R706	1-249-410-11	CARBON	270	C1706	1-124-499-11 ELECT	1MF	20% 50V				
R707	1-249-420-11	CARBON	1.8K	C1707	1-124-120-11 ELECT	220MF	20% 25V				
R708	1-249-419-11	CARBON	1.5K	C1710	1-101-884-00 CERAMIC	56PF	5% 50V				
R709	1-249-420-11	CARBON	1.8K	C1711	1-101-884-00 CERAMIC	56PF	5% 50V				
R710	1-249-397-11	CARBON	22	<b>DIODE</b>							
R711	1-249-397-11	CARBON	22	D1700	8-719-911-19 DIODE	1SS119					
R712	1-249-397-11	CARBON	22	D1701	8-719-936-56 DIODE	DAN209S					
R715	1-202-818-00	SOLID	1K	D1702	8-719-936-56 DIODE	DAN209S					
R716	1-216-486-00	METAL OXIDE	8.2K	D1703	8-719-936-56 DIODE	DAN209S					
R717	1-202-818-00	SOLID	1K	D1704	8-719-936-56 DIODE	DAN209S					
R718	1-216-486-00	METAL OXIDE	8.2K	D1705	8-719-933-28 DIODE	DAP209S					
R719	1-202-818-00	SOLID	1K	D1706	8-719-933-28 DIODE	DAP209S					
<b>TRANSISTOR</b>				D1707	8-719-911-19 DIODE	1SS119					
R720	1-216-486-00	METAL OXIDE	8.2K	D1708	8-719-911-19 DIODE	1SS119					
R721	1-216-372-11	METAL OXIDE	1.8	Q1700	8-729-178-54 TRANSISTOR	2SC2785					
R722	1-202-848-00	SOLID	680K	Q1701	8-729-178-54 TRANSISTOR	2SC2785					
R723	1-202-838-00	SOLID	100K	Q1702	8-729-178-54 TRANSISTOR	2SC2785					
R724	1-202-842-11	SOLID	220K	Q1703	8-729-178-54 TRANSISTOR	2SC2785					
				Q1704	8-729-178-54 TRANSISTOR	2SC2785					

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark	
Q1705	8-729-178-54	TRANSISTOR	2SC2785			V2	*1-563-720-11	SOCKET, CONNECTOR (PC BOARD)9P				
Q1706	8-729-900-89	TRANSISTOR	DTC144ES					*****	*****	*****		
Q1707	8-729-900-89	TRANSISTOR	DTC144ES					*****	*****	*****		
Q1708	8-729-115-30	TRANSISTOR	2SK105A-30					*****	*****	*****		
Q1709	8-729-115-30	TRANSISTOR	2SK105A-30					*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)			
Q1710	8-729-178-54	TRANSISTOR	2SC2785					*****	*****	*****		
Q1711	8-729-178-54	TRANSISTOR	2SC2785									
<u>RESISTOR</u>								<u>CAPACITOR</u>				
R1700	1-249-426-11	CARBON	5.6K	5%	1/4W		C1500	1-124-499-11	ELECT	1MF	20%	50V
R1701	1-249-413-11	CARBON	470	5%	1/4W		C1501	1-102-125-00	CERAMIC	0.0047MF	10%	50V
R1702	1-249-413-11	CARBON	470	5%	1/4W							
R1703	1-249-413-11	CARBON	470	5%	1/4W							
R1704	1-249-413-11	CARBON	470	5%	1/4W							
R1705	1-247-885-00	CARBON	180K	5%	1/4W							
R1706	1-249-437-11	CARBON	47K	5%	1/4W							
R1707	1-247-883-00	CARBON	150K	5%	1/4W							
R1708	1-249-437-11	CARBON	47K	5%	1/4W		Q1500	8-729-178-54	TRANSISTOR	2SC2785		
R1709	1-249-429-11	CARBON	10K	5%	1/4W		Q1501	8-729-178-54	TRANSISTOR	2SC2785		
R1710	1-249-438-11	CARBON	56K	5%	1/4W		Q1502	8-729-900-63	TRANSISTOR	DTA124ES		
R1711	1-249-429-11	CARBON	10K	5%	1/4W							
R1712	1-249-429-11	CARBON	10K	5%	1/4W							
R1713	1-249-429-11	CARBON	10K	5%	1/4W							
R1714	1-249-429-11	CARBON	10K	5%	1/4W							
R1715	1-249-429-11	CARBON	10K	5%	1/4W							
R1716	1-249-438-11	CARBON	56K	5%	1/4W							
R1717	1-249-429-11	CARBON	10K	5%	1/4W							
R1718	1-249-429-11	CARBON	10K	5%	1/4W							
R1719	1-249-417-11	CARBON	1K	5%	1/4W							
R1720	1-249-429-11	CARBON	10K	5%	1/4W							
R1721	1-249-429-11	CARBON	10K	5%	1/4W							
R1722	1-249-429-11	CARBON	10K	5%	1/4W							
R1723	1-249-429-11	CARBON	10K	5%	1/4W							
R1724	1-249-429-11	CARBON	10K	5%	1/4W							
R1725	1-247-891-00	CARBON	330K	5%	1/4W							
R1726	1-247-891-00	CARBON	330K	5%	1/4W							
R1727	1-249-437-11	CARBON	47K	5%	1/4W							
R1728	1-249-437-11	CARBON	47K	5%	1/4W							
R1729	1-249-405-11	CARBON	100	5%	1/4W							
R1730	1-249-405-11	CARBON	100	5%	1/4W							
R1731	1-249-417-11	CARBON	1K	5%	1/4W							
R1732	1-249-417-11	CARBON	1K	5%	1/4W		BB1	*1-565-491-11	CONNECTOR	BOARD TO BOARD 15P		
R1733	1-249-409-11	CARBON	220	5%	1/4W		BB2	*1-565-491-11	CONNECTOR	BOARD TO BOARD 15P		
R1734	1-249-409-11	CARBON	220	5%	1/4W							
R1750	1-249-423-11	CARBON	3.3K	5%	1/4W							
<u>VARIABLE RESISTOR</u>								<u>FILTER</u>				
RV1700	1-228-995-00	RES, ADJ, CARBON	22K					BPF243	1-236-363-11	FILTER, BAND PASS		
RV1701	1-228-995-00	RES, ADJ, CARBON	22K									
RV1702	1-228-995-00	RES, ADJ, CARBON	22K									
RV1703	1-228-995-00	RES, ADJ, CARBON	22K									
RV1704	1-230-682-21	RES, ADJ, CARBON	1M									
RV1705	1-228-999-00	RES, ADJ, CARBON	470K									
RV1706	1-228-999-00	RES, ADJ, CARBON	470K									
RV1707	1-230-682-21	RES, ADJ, CARBON	1M									
RV1708	1-228-995-00	RES, ADJ, CARBON	22K									
RV1709	1-228-995-00	RES, ADJ, CARBON	22K									
RV1710	1-228-995-00	RES, ADJ, CARBON	22K									
<u>CONNECTOR</u>												
V1	*1-563-720-11	SOCKET, CONNECTOR (PC BOARD)9P										
<u>CAPACITOR</u>												
C201	1-124-120-11	ELECT	220MF	20%	25V							
C207	1-124-477-11	ELECT	47MF	20%	25V							
C208	1-124-477-11	ELECT	47MF	20%	25V							
C210	1-124-477-11	ELECT	47MF	20%	25V							
C211	1-124-477-11	ELECT	47MF	20%	25V							
C223	1-102-959-00	CERAMIC	22PF	5%	50V							
C224	1-101-888-00	CERAMIC	68PF	5%	50V							
C230	1-124-120-11	ELECT	220MF	20%	25V							
C240	1-101-004-00	CERAMIC	0.01MF	50V								
C241	1-124-120-11	ELECT	220MF	20%	25V							
C242	1-124-478-11	ELECT	100MF	20%	25V							
C243	1-124-120-11	ELECT	220MF	20%	25V							
C245	1-101-004-00	CERAMIC	0.01MF	50V								
C246	1-123-875-11	ELECT	10MF	20%	50V							
C248	1-102-125-00	CERAMIC	0.0047MF	10%	50V							

BB F

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
C249	1-124-478-11	ELECT	100MF	20%	25V	R233	1-249-415-11	CARBON	680	5%	1/4W
C255	1-101-004-00	CERAMIC	0.01MF	50V	R234	1-249-411-11	CARBON	330	5%	1/4W	
C265	1-102-978-00	CERAMIC	220PF	5%	50V	R235	1-249-415-11	CARBON	680	5%	1/4W
C266	1-101-003-00	CERAMIC	0.0047MF	50V	R236	1-249-411-11	CARBON	330	5%	1/4W	
C267	1-124-478-11	ELECT	100MF	20%	25V	R237	1-249-411-11	CARBON	330	5%	1/4W
C272	1-101-002-00	CERAMIC	0.0022MF	50V	R238	1-249-405-11	CARBON	100	5%	1/4W	
C273	1-101-002-00	CERAMIC	0.0022MF	50V	R239	1-249-417-11	CARBON	1K	5%	1/4W	
C291	1-101-004-00	CERAMIC	0.01MF	50V	R240	1-249-407-11	CARBON	150	5%	1/4W	
C292	1-101-004-00	CERAMIC	0.01MF	50V	R241	1-247-895-00	CARBON	470K	5%	1/4W	
					R242	1-249-421-11	CARBON	2.2K	5%	1/4W	
		<u>FILTER BLOCK</u>			R243	1-249-435-11	CARBON	33K	5%	1/4W	
CFM201	1-464-880-11	FILTER BLOCK, COM (CFB-2)			R244	1-249-435-11	CARBON	33K	5%	1/4W	
		<u>DIODE</u>			R245	1-249-422-11	CARBON	2.7K	5%	1/4W	
D240	8-719-110-16	DIODE RD10ES-B1			R250	1-249-405-11	CARBON	100	5%	1/4W	
		<u>DELAY LINE</u>			R254	1-249-421-11	CARBON	2.2K	5%	1/4W	
DL230	1-415-632-11	DELAY LINE, Y			R255	1-249-417-11	CARBON	1K	5%	1/4W	
		<u>IC</u>			R256	1-249-405-11	CARBON	100	5%	1/4W	
IC210	8-759-240-53	IC TC4053BP			R268	1-249-417-11	CARBON	1K	5%	1/4W	
		<u>MODULE</u>			R270	1-249-417-11	CARBON	1K	5%	1/4W	
PCM290	1-808-628-11	MODULE, PHASE PHM-1			R271	1-249-417-11	CARBON	1K	5%	1/4W	
		<u>TRANSISTOR</u>			R272	1-249-417-11	CARBON	1K	5%	1/4W	
Q201	8-729-178-54	TRANSISTOR 2SC2785			R273	1-249-426-11	CARBON	5.6K	5%	1/4W	
Q214	8-729-178-54	TRANSISTOR 2SC2785			R274	1-249-429-11	CARBON	10K	5%	1/4W	
Q230	8-729-178-54	TRANSISTOR 2SC2785			R294	1-249-405-11	CARBON	100	5%	1/4W	
Q231	8-729-178-54	TRANSISTOR 2SC2785			R295	1-249-405-11	CARBON	100	5%	1/4W	
Q232	8-729-178-54	TRANSISTOR 2SC2785									
Q233	8-729-117-54	TRANSISTOR 2SA1175									
Q234	8-729-178-54	TRANSISTOR 2SC2785									
Q240	8-729-177-42	TRANSISTOR 2SD774-3									
Q241	8-729-178-54	TRANSISTOR 2SC2785									
Q262	8-729-178-54	TRANSISTOR 2SC2785									
Q263	8-729-178-54	TRANSISTOR 2SC2785									
Q264	8-729-117-54	TRANSISTOR 2SA1175									
		<u>RESISTOR</u>									
R201	1-249-435-11	CARBON	33K	5%	1/4W	C602	A.1-161-830-51	CERAMIC	0.0047MF	500V	
R202	1-249-435-11	CARBON	33K	5%	1/4W	C603	A.1-161-830-51	CERAMIC	0.0047MF	500V	
R203	1-249-405-11	CARBON	100	5%	1/4W	C604	A.1-161-830-51	CERAMIC	0.0047MF	500V	
R204	1-249-421-11	CARBON	2.2K	5%	1/4W	C605	A.1-161-830-51	CERAMIC	0.0047MF	500V	
R218	1-249-425-11	CARBON	4.7K	5%	1/4W	C606	1-125-222-41	ELECT(BLOCK)	330MF	20%	400V
R219	1-249-405-11	CARBON	100	5%	1/4W	C607	A.1-136-360-51	FILM	0.22MF	20%	250V
R220	1-249-428-11	CARBON	8.2K	5%	1/4W	C608	A.1-136-360-51	FILM	0.22MF	20%	250V
R221	1-249-423-11	CARBON	3.3K	5%	1/4W	C609	A.1-136-360-51	FILM	0.22MF	20%	250V
R224	1-249-439-11	CARBON	68K	5%	1/4W	C611	1-102-973-00	CERAMIC	100PF	5%	50V
R225	1-249-439-11	CARBON	68K	5%	1/4W	C612	1-161-754-00	CERAMIC	0.001MF	10%	3KV
R226	1-249-439-11	CARBON	68K	5%	1/4W	C613	1-123-946-00	ELECT	4.7MF	20%	250V
R227	1-249-386-11	CARBON	2.7	5%	1/4W	C614	1-136-067-00	FILM	0.0036MF	3%	2KV
R228	1-249-433-11	CARBON	22K	5%	1/4W	C615	1-129-765-00	FILM	0.047MF	10%	200V
R229	1-249-433-11	CARBON	22K	5%	1/4W	C616	1-123-929-91	ELECT	1MF	20%	160V
R230	1-249-429-11	CARBON	10K	5%	1/4W	C617	1-124-902-00	ELECT	0.47MF	20%	50V
R231	1-249-422-11	CARBON	2.7K	5%	1/4W	C618	1-162-318-11	CERAMIC	0.001MF	10%	500V
R232	1-249-415-11	CARBON	680	5%	1/4W	C619	1-123-875-11	ELECT	10MF	20%	50V
						C620	1-124-446-11	ELECT	47MF	20%	10V
						C621	1-130-475-00	FILM	0.0022MF	5%	50V
						C622	1-104-067-00	POLYSTYRENE	390PF	5%	50V
						C623	1-126-233-11	ELECT	22MF	20%	25V
						C624	1-162-318-11	CERAMIC	0.001MF	10%	500V
						C625	1-124-463-00	ELECT	0.1MF	20%	50V

The components identified by shading and mark  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

## PVM-1341/1342Q/1343MD

F

F Qc

- The components identified by **█** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque **█** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **█** are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
R655	1-249-469-11	CARBON	100K 5% 1/4W					
R656	1-247-895-00	CARBON	470K 5% 1/4W					
R657	1-247-883-00	CARBON	150K 5% 1/4W					
<b>R658</b> <b>█</b>	<b>1-247-289-11</b>	<b>CARBON</b>	<b>8.2M 5% 1W</b>		IC101	8-759-800-81	IC LA7016	<b>IC</b>
R661	1-249-443-11	CARBON	0.47 5% 1/4W F					
R665	1-215-427-00	METAL	1.8K 1% 1/6W					
R669	1-249-443-11	CARBON	0.47 5% 1/4W F		Q122	8-729-178-54	TRANSISTOR 2SC2785	<b>TRANSISTOR</b>
R671	1-215-412-00	METAL	430 1% 1/6W					
R682	1-215-923-00	METAL OXIDE	10K 5% 3W F					
R688	1-249-427-11	CARBON	6.8K 5% 1/4W					
<b>█ R690</b> <b>█</b>	<b>METAL</b>		<b>1/6W</b>				<b>RESISTOR</b>	
R691	1-216-489-11	METAL OXIDE	27K 5% 3W F		R101	1-249-429-11	CARBON	10K 5% 1/4W
R692	1-202-719-00	SOLID	1M 10% 1/2W		R102	1-249-405-11	CARBON	100 5% 1/4W
					R103	1-249-429-11	CARBON	10K 5% 1/4W
					R104	1-249-405-11	CARBON	100 5% 1/4W
					R105	1-247-104-00	CARBON	75 5% 1/4W
					R106	1-249-405-11	CARBON	100 5% 1/4W
					R107	1-247-104-00	CARBON	75 5% 1/4W
					R108	1-249-405-11	CARBON	100 5% 1/4W
					R109	1-247-104-00	CARBON	75 5% 1/4W
					R110	1-247-104-00	CARBON	75 5% 1/4W
					R111	1-249-429-11	CARBON	10K 5% 1/4W
					R112	1-249-405-11	CARBON	100 5% 1/4W
					R113	1-249-429-11	CARBON	10K 5% 1/4W
					R114	1-247-104-00	CARBON	75 5% 1/4W
					R115	1-249-405-11	CARBON	100 5% 1/4W
					R116	1-249-409-11	CARBON	220 5% 1/4W
					R117	1-249-408-11	CARBON	180 5% 1/4W
					R118	1-249-408-11	CARBON	180 5% 1/4W
					R119	1-249-417-11	CARBON	1K 5% 1/4W
					R121	1-249-417-11	CARBON	1K 5% 1/4W
					R122	1-215-393-00	METAL	68 1% 1/6W
					R123	1-249-417-11	CARBON	1K 5% 1/4W
					R125	1-249-405-11	CARBON	100 5% 1/4W
					R126	1-249-433-11	CARBON	22K 5% 1/4W
					R127	1-249-433-11	CARBON	22K 5% 1/4W
					R128	1-249-429-11	CARBON	10K 5% 1/4W
					R129	1-247-104-00	CARBON	75 5% 1/4W
					R130	1-247-104-00	CARBON	75 5% 1/4W
					R131	1-247-104-00	CARBON	75 5% 1/4W
					R132	1-249-417-11	CARBON	1K 5% 1/4W
					R133	1-247-104-00	CARBON	75 5% 1/4W
					R134	1-249-417-11	CARBON	1K 5% 1/4W
					R220	1-215-429-00	METAL	2.2K 1% 1/6W
					R221	1-215-429-00	METAL	2.2K 1% 1/6W
					R222	1-215-429-00	METAL	2.2K 1% 1/6W
					R254	1-249-420-11	CARBON	1.8K 5% 1/4W
					R298	1-249-460-11	CARBON	15K 5% 1/4W
							<b>VARIABLE RESISTOR</b>	
C111	1-124-589-11	ELECT	47MF 20% 16V		RV101	1-228-848-00	RES, VAR, CARBON 10K	
C112	1-124-589-11	ELECT	47MF 20% 16V		RV102	1-228-847-11	RES, VAR, CARBON 10K	
C113	1-124-589-11	ELECT	47MF 20% 16V					
C114	1-126-160-11	ELECT	1MF 20% 50V					
C115	1-126-160-11	ELECT	1MF 20% 50V					
C116	1-124-589-11	ELECT	47MF 20% 16V				<b>SWITCH</b>	
C117	1-126-157-11	ELECT	10MF 20% 16V					
C118	1-126-157-11	ELECT	10MF 20% 16V		S101	1-570-145-11	SWITCH, SLIDE	
C119	1-126-157-11	ELECT	10MF 20% 16V					
C120	1-124-589-11	ELECT	47MF 20% 16V					
C122	1-124-589-11	ELECT	47MF 20% 16V					
C123	1-124-589-11	ELECT	47MF 20% 16V					



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
*A-1270-248-A QD BOARD, COMPLETE								
*****								
<u>CAPACITOR</u>								
C121	1-126-094-11	ELECT	4.7MF	20%	25V	Q101	8-729-178-54	TRANSISTOR 2SC2785
C124	1-101-004-00	CERAMIC	0.01MF	50V	Q102	8-729-178-54	TRANSISTOR 2SC2785	
C125	1-124-477-11	ELECT	47MF	20%	16V	Q103	8-729-178-54	TRANSISTOR 2SC2785
C126	1-124-589-11	ELECT	47MF	20%	16V	Q104	8-729-178-54	TRANSISTOR 2SC2785
C127	1-101-004-00	CERAMIC	0.01MF	50V	Q105	8-729-178-54	TRANSISTOR 2SC2785	
C128	1-124-589-11	ELECT	47MF	20%	16V	Q106	8-729-178-54	TRANSISTOR 2SC2785
C129	1-124-589-11	ELECT	47MF	20%	16V	Q107	8-729-178-54	TRANSISTOR 2SC2785
C130	1-124-584-00	ELECT	100MF	20%	10V	Q108	8-729-178-54	TRANSISTOR 2SC2785
C131	1-161-021-11	CERAMIC	0.047MF	10%	25V	Q109	8-729-178-54	TRANSISTOR 2SC2785
C132	1-102-963-00	CERAMIC	33PF	5%	50V	Q110	8-729-900-36	TRANSISTOR DTC124ES
C133	1-126-157-11	ELECT	10MF	20%	16V	Q111	8-729-900-89	TRANSISTOR DTC144ES
C134	1-161-021-11	CERAMIC	0.047MF	10%	25V	Q112	8-729-178-54	TRANSISTOR 2SC2785
C135	1-108-630-91	MYLAR	0.022MF	10%	100V	Q113	8-729-178-54	TRANSISTOR 2SC2785
C136	1-101-004-00	CERAMIC	0.01MF	50V	Q114	8-729-900-36	TRANSISTOR DTC124ES	
C137	1-124-589-11	ELECT	47MF	20%	16V	Q115	8-729-178-54	TRANSISTOR 2SC2785
C138	1-124-589-11	ELECT	47MF	20%	16V	Q116	8-729-117-54	TRANSISTOR 2SA1175
C139	1-126-160-11	ELECT	1MF	20%	50V	Q117	8-729-117-54	TRANSISTOR 2SA1175
C140	1-124-589-11	ELECT	47MF	20%	16V	Q118	8-729-117-54	TRANSISTOR 2SA1175
C141	1-102-965-00	CERAMIC	39PF	5%	50V	Q119	8-729-900-65	TRANSISTOR DTA144ES
C142	1-102-965-00	CERAMIC	39PF	5%	50V	<u>RESISTOR</u>		
C143	1-102-965-00	CERAMIC	39PF	5%	50V	R135	1-249-417-11	CARBON 1K 5% 1/4W
C144	1-126-094-11	ELECT	4.7MF	20%	25V	R136	1-249-411-11	CARBON 330 5% 1/4W
C145	1-161-021-11	CERAMIC	0.047MF	10%	25V	R137	1-249-418-11	CARBON 1.2K 5% 1/4W
C146	1-124-589-11	ELECT	47MF	20%	16V	R138	1-249-421-11	CARBON 2.2K 5% 1/4W
C147	1-124-589-11	ELECT	47MF	20%	16V	R139	1-249-424-11	CARBON 3.9K 5% 1/4W
C148	1-126-157-11	ELECT	10MF	20%	16V	R140	1-249-417-11	CARBON 1K 5% 1/4W
C149	1-130-022-61	FILM	0.0022MF	10%	50V	R141	1-249-425-11	CARBON 4.7K 5% 1/4W
C150	1-130-483-00	MYLAR	0.01MF	5%	50V	R142	1-249-435-11	CARBON 33K 5% 1/4W
C151	1-130-471-00	FILM	0.001MF	10%	50V	R143	1-249-435-11	CARBON 33K 5% 1/4W
C172	1-101-005-00	CERAMIC	0.022MF	50V	R144	1-249-417-11	CARBON 1K 5% 1/4W	
C173	1-136-169-00	FILM	0.22MF	5%	50V	R145	1-249-411-11	CARBON 330 5% 1/4W
C174	1-102-965-00	CERAMIC	39PF	5%	50V	R146	1-249-417-11	CARBON 1K 5% 1/4W
						R147	1-249-411-11	CARBON 330 5% 1/4W
						R148	1-249-429-11	CARBON 10K 5% 1/4W
						R149	1-249-425-11	CARBON 4.7K 5% 1/4W
<u>DIODE</u>								
D102	8-719-110-03	DIODE RD7.5ES-B2				R150	1-249-417-11	CARBON 1K 5% 1/4W
D103	8-719-911-19	DIODE 1SS119				R151	1-249-429-11	CARBON 10K 5% 1/4W
D104	8-719-911-19	DIODE 1SS119				R152	1-249-429-11	CARBON 10K 5% 1/4W
D105	8-719-911-19	DIODE 1SS119				R153	1-249-405-11	CARBON 100 5% 1/4W
D106	8-719-109-85	DIODE RD5.1ES-B2				R154	1-249-405-11	CARBON 100 5% 1/4W
D107	8-719-109-85	DIODE RD5.1ES-B2				R155	1-249-433-11	CARBON 22K 5% 1/4W
D113	8-719-911-19	DIODE 1SS119				R156	1-249-433-11	CARBON 22K 5% 1/4W
D116	8-719-911-19	DIODE 1SS119				R157	1-249-430-11	CARBON 12K 5% 1/4W
						R158	1-249-417-11	CARBON 1K 5% 1/4W
						R159	1-247-706-11	CARBON 330 5% 1/4W
<u>IC</u>								
IC102	8-759-900-09	IC SN74LS09N				R160	1-247-706-11	CARBON 330 5% 1/4W
IC103	8-759-901-38	IC SN74LS138N				R161	1-247-706-11	CARBON 330 5% 1/4W
IC104	8-759-901-36	IC SN74LS136N				R162	1-249-426-11	CARBON 5.6K 5% 1/4W
IC105	8-759-900-11	IC SN74LS11N				R163	1-249-421-11	CARBON 2.2K 5% 1/4W
IC106	8-759-800-81	IC LA7016				R164	1-249-421-11	CARBON 2.2K 5% 1/4W
IC107	8-759-933-23	IC BA236				R165	1-249-425-11	CARBON 4.7K 5% 1/4W
						R166	1-249-425-11	CARBON 4.7K 5% 1/4W
						R167	1-247-721-11	CARBON 4.7K 5% 1/4W
						R168	1-249-421-11	CARBON 2.2K 5% 1/4W
						R169	1-249-433-11	CARBON 22K 5% 1/4W
<u>FILTER MODULE</u>								
LP101	1-235-988-11	FILTER MODULE, LOW PASS				R170	1-249-437-11	CARBON 47K 5% 1/4W
						R171	1-247-725-11	CARBON 10K 5% 1/4W
						R172	1-249-405-11	CARBON 100 5% 1/4W
						R173	1-247-716-11	CARBON 1.8K 5% 1/4W
						R174	1-249-432-11	CARBON 18K 5% 1/4W

**Q<sub>D</sub>** | **Q<sub>E</sub>**

QE

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Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R253	1-249-417-11	CARBON	1K	5%	1/4W		C329	1-124-477-11	ELECT	47MF	20%	25V	
R265	1-249-415-11	CARBON	680	5%	1/4W		C330	1-101-880-00	CERAMIC	47PF	5%	50V	
*****													
*A-1296-520-A	A BOARD, COMPLETE	*****					C331	1-101-004-00	CERAMIC	0.01MF	50V		
*4-329-153-00	HEAT SINK, V OUT						C332	1-102-971-00	CERAMIC	82PF	5%	50V	
*4-341-751-01	EYELET						C333	1-136-165-00	FILM	0.1MF	5%	50V	
*4-341-752-01	EYELET						C334	1-136-173-00	FILM	0.47MF	5%	50V	
*4-363-404-00	HOLDER, IC						C335	1-136-173-00	FILM	0.47MF	5%	50V	
4-363-414-00	SPACER, MICA						C336	1-102-971-00	CERAMIC	82PF	5%	50V	
CONNECTOR													
A1	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P					C337	1-124-477-11	ELECT	47MF	20%	25V	
A2	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P					C338	1-124-477-11	ELECT	47MF	20%	25V	
A3	*1-565-498-11	CONNECTOR, BOARD TO BOARD 7P					C339	1-124-477-11	ELECT	47MF	20%	25V	
A4	*1-564-596-11	PLUG, CONNECTOR 15P					C340	1-124-477-11	ELECT	47MF	20%	25V	
A5	*1-564-596-11	PLUG, CONNECTOR 15P					C341	1-124-477-11	ELECT	47MF	20%	25V	
A6	*1-565-497-11	CONNECTOR, BOARD TO BOARD 6P					C342	1-124-477-11	ELECT	47MF	20%	25V	
A7	*1-565-498-11	CONNECTOR, BOARD TO BOARD 7P					C343	1-124-477-11	ELECT	47MF	20%	25V	
A8	*1-565-506-11	CONNECTOR, BOARD TO BOARD 15P					C344	1-124-477-11	ELECT	47MF	20%	25V	
A9	*1-565-506-11	CONNECTOR, BOARD TO BOARD 15P					C345	1-102-949-00	CERAMIC	12PF	5%	50V	
A10	*1-564-596-11	PLUG, CONNECTOR 15P					C346	1-126-233-11	ELECT	22MF	20%	50V	
A11	*1-564-596-41	PLUG, CONNECTOR 15P					C347	1-123-875-11	ELECT	10MF	20%	50V	
A13	*1-568-105-11	HOUSING, CONNECTOR 10P					C348	1-101-004-00	CERAMIC	0.01MF	50V		
A14	*1-568-105-11	HOUSING, CONNECTOR 10P					C349	1-124-120-11	ELECT	220MF	20%	25V	
A16	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P					C350	1-101-884-00	CERAMIC	56PF	5%	50V	
A17	*1-565-496-11	CONNECTOR, BOARD TO BOARD 5P					C351	1-102-106-00	CERAMIC	100PF	10%	50V	
A18	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P					C352	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
A19	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P					C353	1-161-021-11	CERAMIC	0.047MF	10%	25V	
A20	*1-564-507-11	PLUG, CONNECTOR 4P					C401	1-136-153-00	FILM	0.01MF	5%	50V	
A22	*1-564-505-11	PLUG, CONNECTOR 2P					C402	1-136-165-00	FILM	0.1MF	5%	50V	
CAPACITOR													
C300	1-123-875-11	ELECT	10MF	20%	50V		C412	1-124-463-00	ELECT	0.1MF	20%	50V	
C301	1-124-477-11	ELECT	47MF	20%	25V		C413	1-124-463-00	ELECT	0.1MF	20%	50V	
C302	1-101-884-00	CERAMIC	56PF	5%	50V		C414	1-136-165-00	FILM	0.1MF	5%	50V	
C303	1-136-173-00	FILM	0.47MF	5%	50V		C415	1-136-165-00	FILM	0.1MF	5%	50V	
C304	1-101-884-00	CERAMIC	56PF	5%	50V		C416	1-126-233-11	ELECT	22MF	20%	50V	
C305	1-136-173-00	FILM	0.47MF	5%	50V		C417	1-136-161-00	FILM	0.047MF	5%	50V	
C306	1-102-125-00	CERAMIC	0.0047MF	10%	50V		C418	1-136-153-00	FILM	0.01MF	5%	50V	
C307	1-124-477-11	ELECT	47MF	20%	25V		C419	1-110-203-51	MYLAR	0.0047MF	5%	50V	
C308	1-124-477-11	ELECT	47MF	20%	25V		C420	1-136-161-00	FILM	0.047MF	5%	50V	
C309	1-102-125-00	CERAMIC	0.0047MF	10%	50V		C421	1-136-153-00	FILM	0.01MF	5%	50V	
C310	1-102-125-00	CERAMIC	0.0047MF	10%	50V		C422	1-110-203-51	MYLAR	0.0047MF	5%	50V	
C311	1-102-125-00	CERAMIC	0.0047MF	10%	50V		C423	1-136-153-00	FILM	0.01MF	5%	50V	
C312	1-123-875-11	ELECT	10MF	20%	50V		C424	1-110-203-51	MYLAR	0.0047MF	5%	50V	
C313	1-102-074-00	CERAMIC	0.001MF	10%	50V		C425	1-124-478-11	ELECT	100MF	20%	25V	
C314	1-102-074-00	CERAMIC	0.001MF	10%	50V		C426	1-136-161-00	FILM	0.047MF	5%	50V	
C315	1-124-927-11	ELECT	4.7MF	20%	50V		C427	1-124-478-11	ELECT	100MF	20%	25V	
C316	1-136-161-00	FILM	0.047MF	5%	50V		C428	1-124-478-11	ELECT	100MF	20%	25V	
C317	1-136-161-00	FILM	0.047MF	5%	50V		C430	1-101-888-00	CERAMIC	68PF	5%	50V	
C318	1-136-165-00	FILM	0.1MF	5%	50V		C431	1-101-888-00	CERAMIC	68PF	5%	50V	
C319	1-101-004-00	CERAMIC	0.01MF				C470	1-124-120-11	ELECT	220MF	20%	25V	
C320	1-124-499-11	ELECT	1MF	20%	50V		C471	1-124-120-11	ELECT	220MF	20%	25V	
C321	1-124-477-11	ELECT	47MF	20%	25V		C472	1-101-004-00	CERAMIC	0.01MF			
C322	1-124-902-00	ELECT	0.47MF	20%	50V		C473	1-124-478-11	ELECT	100MF	20%	25V	
C323	1-101-361-00	CERAMIC	150PF	5%	50V		C474	1-101-004-00	CERAMIC	0.01MF			
C324	1-124-477-11	ELECT	47MF	20%	25V		C475	1-101-004-00	CERAMIC	0.01MF			
C325	1-101-361-00	CERAMIC	150PF	5%	50V		C476	1-101-888-00	CERAMIC	68PF	5%	50V	
C326	1-124-477-11	ELECT	47MF	20%	25V		C477	1-101-006-00	CERAMIC	0.047MF			
C327	1-124-477-11	ELECT	47MF	20%	25V		C478	1-101-004-00	CERAMIC	0.01MF			
C328	1-124-009-11	ELECT	47MF	20%	25V		C479	1-124-478-11	ELECT	100MF	20%	25V	
							C480	1-101-004-00	CERAMIC	0.01MF			
							C481	1-101-004-00	CERAMIC	0.01MF			

# VM-1341/1342Q/1343MD

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Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
C482	1-124-478-11	ELECT	100MF	20%	25V	C549	1-123-875-11	ELECT	10MF	20%	50V
C483	1-124-120-11	ELECT	220MF	20%	25V	C550	1-102-244-00	CERAMIC	220PF	10%	500V
C484	1-101-004-00	CERAMIC	0.01MF		50V	C551	1-124-360-00	ELECT	1000MF	20%	16V
C485	1-124-478-11	ELECT	100MF	20%	25V	C552	1-124-499-11	ELECT	1MF	20%	50V
C486	1-101-004-00	CERAMIC	0.01MF		50V	C553	1-108-626-11	MYLAR	0.01MF	10%	100V
C487	1-101-004-00	CERAMIC	0.01MF		50V	C554	1-124-499-11	ELECT	1MF	20%	50V
C488	1-124-120-11	ELECT	220MF	20%	25V	C555	1-108-633-11	MYLAR	0.039MF	10%	100V
C489	1-124-927-11	ELECT	4.7MF	20%	50V	C556	1-136-173-00	FILM	0.47MF	5%	50V
C491	1-101-004-00	CERAMIC	0.01MF		50V	C557	1-124-902-00	ELECT	0.47MF	20%	50V
C492	1-124-120-11	ELECT	220MF	20%	25V	C558	1-131-356-00	TANTALUM	3.3MF	10%	25V
C493	1-101-004-00	CERAMIC	0.01MF		50V	C559	1-123-875-11	ELECT	10MF	20%	50V
C494	1-124-120-11	ELECT	220MF	20%	25V	C560	1-136-161-00	FILM	0.047MF	5%	50V
C495	1-101-880-00	CERAMIC	47PF	5%	50V	C561	1-102-973-00	CERAMIC	100PF	5%	50V
C496	1-124-478-11	ELECT	100MF	20%	25V	C562	1-130-471-00	FILM	0.001MF	5%	50V
C497	1-124-120-11	ELECT	220MF	20%	25V	C563	1-123-875-11	ELECT	10MF	20%	50V
C498	1-124-925-11	ELECT	2.2MF	20%	50V	C564	1-102-978-00	CERAMIC	220PF	5%	50V
C500	1-101-884-00	CERAMIC	56PF	5%	50V	C565	1-124-478-11	ELECT	100MF	20%	25V
C501	1-124-120-11	ELECT	220MF	20%	25V	C566	1-124-499-11	ELECT	1MF	20%	50V
C502	1-124-927-11	ELECT	4.7MF	20%	50V	C567	1-123-875-11	ELECT	10MF	20%	50V
C503	1-124-927-11	ELECT	4.7MF	20%	50V	C568	1-108-614-11	MYLAR	0.001MF	10%	100V
C504	1-102-114-00	CERAMIC	470PF	10%	50V	C569	1-130-736-11	FILM	0.01MF	5%	50V
C505	1-123-875-11	ELECT	10MF	20%	50V	C570	1-123-875-11	ELECT	10MF	20%	50V
C506	1-129-794-91	FILM	0.0033MF	5%	100V	C571	1-126-233-11	ELECT	22MF	20%	25V
C507	1-106-180-91	MYLAR	0.0022MF	5%	100V	C572	1-124-499-11	ELECT	1MF	20%	50V
C508	1-108-626-11	MYLAR	0.01MF	10%	100V	C573	1-123-875-11	ELECT	10MF	20%	50V
C509	1-108-630-91	MYLAR	0.022MF	10%	100V	C574	1-124-478-11	ELECT	100MF	20%	25V
C510	1-108-626-11	MYLAR	0.01MF	10%	100V	C575	1-102-978-00	CERAMIC	220PF	5%	50V
C511	1-124-902-00	ELECT	0.47MF	20%	50V	C576	1-161-021-11	CERAMIC	0.047MF	10%	25V
C512	1-102-030-00	CERAMIC	330PF	10%	500V	C577	1-123-875-11	ELECT	10MF	20%	50V
C513	1-136-334-51	FILM	0.033MF	5%	630V	C578	1-124-477-11	ELECT	47MF	20%	25V
C514 ▲	1-136-078-11	FILM	0.0098MF	3%	2KV	C579	1-124-477-11	ELECT	47MF	20%	25V
C515 ▲	1-162-116-51	CERAMIC	680PF	10%	2KV	C580	1-124-499-11	ELECT	1MF	20%	50V
C516 ▲	1-162-116-51	CERAMIC	680PF	10%	2KV	C581	1-124-478-11	ELECT	100MF	20%	25V
C517	1-108-692-11	MYLAR	0.01MF	10%	200V	C583	1-126-233-11	ELECT	22MF	20%	50V
C518	1-126-104-11	ELECT	470MF	20%	35V	C584	1-126-233-11	ELECT	22MF	20%	50V
C519	1-124-120-11	ELECT	220MF	20%	25V	C585	1-102-110-00	CERAMIC	220PF	10%	50V
C520	1-123-024-51	ELECT	33MF		160V	C590	1-126-233-11	ELECT	22MF	20%	50V
C521	1-102-212-00	CERAMIC	820PF	10%	500V	C591	1-124-925-11	ELECT	2.2MF	20%	50V
C522	1-102-212-00	CERAMIC	820PF	10%	500V	C801	1-101-004-00	CERAMIC	0.01MF		50V
C523	1-162-114-00	CERAMIC	0.0047MF		2KV	C802	1-101-361-00	CERAMIC	150PF	5%	50V
C524	1-108-700-11	MYLAR	0.047MF	10%	200V	C803	1-102-976-00	CERAMIC	180PF	5%	50V
C525	1-108-634-11	MYLAR	0.047MF	10%	100V	C804	1-126-233-11	ELECT	22MF	20%	50V
C526	1-124-477-11	ELECT	47MF	20%	25V	C805	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C527	1-124-902-00	ELECT	0.47MF	20%	50V	C806	1-101-884-00	CERAMIC	56PF	5%	50V
C528	1-124-902-00	ELECT	0.47MF	20%	50V	C807	1-130-736-11	FILM	0.01MF	5%	50V
C529	1-126-233-11	ELECT	22MF	20%	50V	C808	1-124-120-11	ELECT	220MF	20%	25V
C530	1-123-875-11	ELECT	10MF	20%	50V	C809	1-101-004-00	CERAMIC	0.01MF		50V
C531	1-131-351-00	TANTALUM	4.7MF	10%	35V	C810	1-108-620-11	MYLAR	0.0033MF	10%	100V
C532	1-123-948-00	ELECT	22MF	20%	250V	C811	1-124-927-11	ELECT	4.7MF	20%	50V
C533	1-136-111-00	FILM	1MF	5%	200V	C1001	1-124-478-11	ELECT	100MF	20%	25V
C534	1-106-399-00	MYLAR	0.22MF	10%	200V	C1002	1-123-875-11	ELECT	10MF	20%	50V
C535	1-123-946-00	ELECT	4.7MF	20%	250V	C1003	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C536	1-136-111-00	FILM	1MF	5%	200V	C1004	1-124-464-11	ELECT	0.22MF	20%	50V
C537	1-102-002-00	CERAMIC	680PF	10%	500V	C1005	1-123-875-11	ELECT	10MF	20%	50V
C538	1-108-626-11	MYLAR	0.01MF	10%	100V	C1006	1-123-875-11	ELECT	10MF	20%	50V
C539	1-108-626-11	MYLAR	0.01MF	10%	100V	C1007	1-108-634-11	MYLAR	0.047MF	10%	100V
C540	1-108-616-91	MYLAR	0.0015MF	10%	100V	C1008	1-124-478-11	ELECT	100MF	20%	25V
C541	1-124-192-11	ELECT	4.7MF	20%	50V	C1009	1-124-480-11	ELECT	470MF	20%	25V
C542	1-123-875-11	ELECT	10MF	20%	50V	C1010	1-124-478-11	ELECT	100MF	20%	25V
C543	1-124-927-11	ELECT	4.7MF	20%	50V	C1011	1-124-477-11	ELECT	47MF	20%	25V
C544	1-124-117-51	ELECT	680MF	10%	25V	C1012	1-124-120-11	ELECT	220MF	20%	25V
C545	1-108-694-81	MYLAR	0.015MF	10%	200V	C1013	1-124-478-11	ELECT	100MF	20%	25V
C546	1-102-030-00	CERAMIC	330PF	10%	500V						
C547	1-124-342-00	ELECT	3.3MF	20%	160V						
C548	1-102-030-00	CERAMIC	330PF	10%	500V						

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Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

**PVM-1341/1342Q/1343MD**

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
<u>DIODE</u>											
D302	8-719-911-19	DIODE 1SS119		IC301	8-759-204-21	IC TA7193P					
D303	8-719-911-19	DIODE 1SS119		IC302	1-808-627-11	ACC BLOCK ACC-1					
D304	8-719-911-19	DIODE 1SS119		IC303	8-759-710-31	IC NJM2243S					
D305	8-719-911-19	DIODE 1SS119		IC304	1-235-534-11	CONTROL MODULE, PICTURE					
D306	8-719-911-19	DIODE 1SS119		IC305	8-749-920-72	IC BX7573					
D307	8-719-911-19	DIODE 1SS119		IC306	8-759-420-08	IC AN5613					
D308	8-719-911-19	DIODE 1SS119		IC307	1-808-629-11	MODULE, BLUE ONLY BOM-1					
D309	8-719-911-19	DIODE 1SS119		IC308	1-808-626-11	MODULE, GAIN/BIAS GBM-1					
D311	8-719-911-19	DIODE 1SS119		IC309	8-759-240-52	IC TC4052BP					
D312	8-719-911-19	DIODE 1SS119		IC311	8-759-800-81	IC LA7016					
D313	8-719-911-19	DIODE 1SS119		IC312	8-759-800-81	IC LA7016					
D314	8-719-911-19	DIODE 1SS119		IC401	8-752-030-31	IC CXA1024S					
D400	8-719-121-40	DIODE RD10ES-L3		IC501	8-759-100-60	IC UPC1377C					
D401	8-719-911-19	DIODE 1SS119		IC502	8-759-145-58	IC UPC4558C					
D402	8-719-120-27	DIODE RD4.3ES-L2		IC503	8-749-920-74	IC BX7574					
D403	8-719-109-93	DIODE RD6.2ES-B2		IC504	8-759-345-38	IC HD14538BP					
D404	8-719-911-19	DIODE 1SS119		IC505	8-759-700-06	IC NJM7812B					
D405	8-719-911-19	DIODE 1SS119		IC1001	8-759-420-04	IC AN5265					
D501	8-719-911-19	DIODE 1SS119		<u>COIL</u>							
D502	8-719-971-20	DIODE ERC38-06		L300	1-410-470-11	INDUCTOR	10UH				
D503	8-719-971-20	DIODE ERC38-06		L301	1-410-470-11	INDUCTOR	10UH				
D504	8-719-901-58	DIODE RGP15J		L302	1-410-470-11	INDUCTOR	10UH				
D505	8-719-901-58	DIODE RGP15J		L303	1-410-471-11	INDUCTOR	12UH				
D506	8-719-901-19	DIODE V11N		L304	1-410-467-21	INDUCTOR	5.6UH				
D507	8-719-305-15	DIODE GH3F		L306	1-410-470-11	INDUCTOR	10UH				
D508	8-719-928-08	DIODE ERD28-08S		L307	1-410-467-21	INDUCTOR	5.6UH				
D509	8-719-100-35	DIODE RD5.6E-B2		L495	1-421-013-00	COIL, (HORIZONTAL CHOKES)	25UH				
D510	8-719-190-00	DIODE RD24E-BZ7		L501	1-459-155-00	COIL (WITH CORE)	45UH				
D511	8-719-200-02	DIODE 10E2		L502	1-410-671-31	INDUCTOR	47UH				
D512	8-719-200-02	DIODE 10E2		L503	1-410-666-31	INDUCTOR	18UH				
D513	8-719-911-19	DIODE 1SS119		L504	1-407-365-00	COIL, CHOKES					
D514	8-719-300-76	DIODE RH-1A		L505	1-407-365-00	COIL, CHOKES					
D515	8-719-300-76	DIODE RH-1A		L506	1-408-238-00	INDUCTOR	3.9MMH				
D516	8-719-200-02	DIODE 10E2		L507	1-459-155-00	COIL (WITH CORE)	45UH				
D517	8-719-911-19	DIODE 1SS119		L508	1-459-496-12	COIL, FERRITE (HLC)					
D518	8-719-200-02	DIODE 10E2		L509	1-459-106-00	COIL, DUST CORE					
D519	8-719-911-19	DIODE 1SS119		L510	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKES					
D520	8-719-911-19	DIODE 1SS119		L511	1-459-059-00	COIL, DUST CORE					
D521	8-719-911-19	DIODE 1SS119		L512	1-408-247-00	INDUCTOR	33MMH				
D522	8-719-911-19	DIODE 1SS119		L513	1-459-104-00	COIL, DUST CORE					
D523	8-719-911-19	DIODE 1SS119		L514	1-410-686-11	INDUCTOR	1MMH				
D524	8-719-911-19	DIODE 1SS119		L515	1-408-564-11	INDUCTOR	12UH				
D526	8-719-911-19	DIODE 1SS119		L801	1-410-470-11	INDUCTOR	10UH				
D527	8-719-911-19	DIODE 1SS119		L802	1-410-089-21	INDUCTOR	15MMH				
D528	8-719-911-19	DIODE 1SS119		<u>NEON LAMP</u>							
D529	8-719-911-19	DIODE 1SS119		NL501	1-519-237-13	LAMP, NEON					
D530	8-719-901-83	DIODE 1SS83		<u>TRANSISTOR</u>							
D531	8-719-911-19	DIODE 1SS119		Q300	8-729-117-54	TRANSISTOR 2SA1175					
D801	8-719-911-19	DIODE 1SS119		Q301	8-729-178-54	TRANSISTOR 2SC2785					
D802	8-719-911-19	DIODE 1SS119		Q302	8-729-178-54	TRANSISTOR 2SC2785					
D1001	8-719-911-19	DIODE 1SS119		Q303	8-729-178-54	TRANSISTOR 2SC2785					
D1002	8-719-911-19	DIODE 1SS119		Q304	8-729-178-54	TRANSISTOR 2SC2785					
D1003	8-719-911-19	DIODE 1SS119		Q305	8-729-178-54	TRANSISTOR 2SC2785					
D1010	8-719-120-64	DIODE RD5.6ES-L1		Q306	8-729-178-54	TRANSISTOR 2SC2785					
D1011	8-719-110-08	DIODE RD8.2ES-B2		Q307	8-729-117-54	TRANSISTOR 2SA1175					
D1012	8-719-911-55	DIODE U05G		Q308	8-729-178-54	TRANSISTOR 2SC2785					
D1013	8-719-110-37	DIODE RD13ES-B3		Q309	8-729-178-54	TRANSISTOR 2SC2785					
D1014	8-719-936-56	DIODE DAN209S		<u>DELAY LINE</u>							
DL301	1-415-633-11	DELAY LINE, Y									

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q310	8-729-178-54	TRANSISTOR 2SC2785		Q520	8-729-900-63	TRANSISTOR DTA124ES	
Q311	8-729-900-89	TRANSISTOR DTC144ES		Q521	8-729-178-54	TRANSISTOR 2SC2785	
Q312	8-729-178-54	TRANSISTOR 2SC2785		Q522	8-729-178-54	TRANSISTOR 2SC2785	
Q313	8-729-178-54	TRANSISTOR 2SC2785		Q523	8-729-900-36	TRANSISTOR DTC124ES	
Q314	8-729-900-65	TRANSISTOR DTA144ES		Q524	8-729-900-63	TRANSISTOR DTA124ES	
Q315	8-729-900-89	TRANSISTOR DTC144ES		Q525	8-729-900-36	TRANSISTOR DTC124ES	
Q316	8-729-900-89	TRANSISTOR DTC144ES		Q526	8-729-117-54	TRANSISTOR 2SA1175	
Q317	8-729-900-89	TRANSISTOR DTC144ES		Q528	8-729-178-54	TRANSISTOR 2SC2785	
Q318	8-729-178-54	TRANSISTOR 2SC2785		Q529	8-729-178-54	TRANSISTOR 2SC2785	
Q319	8-729-178-54	TRANSISTOR 2SC2785		Q530	8-729-178-54	TRANSISTOR 2SC2785	
Q320	8-729-117-54	TRANSISTOR 2SA1175		Q531	8-729-178-54	TRANSISTOR 2SC2785	
Q321	8-729-117-54	TRANSISTOR 2SA1175		Q532	8-729-117-54	TRANSISTOR 2SA1175	
Q322	8-729-900-89	TRANSISTOR DTC144ES		Q533	8-729-117-54	TRANSISTOR 2SA1175	
Q323	8-729-900-89	TRANSISTOR DTC144ES		Q534	8-729-117-54	TRANSISTOR 2SA1175	
Q324	8-729-117-54	TRANSISTOR 2SA1175		Q550	8-729-178-54	TRANSISTOR 2SC2785	
Q325	8-729-178-54	TRANSISTOR 2SC2785		Q551	8-729-178-54	TRANSISTOR 2SC2785	
Q326	8-729-178-54	TRANSISTOR 2SC2785		Q801	8-729-178-54	TRANSISTOR 2SC2785	
Q327	8-729-178-54	TRANSISTOR 2SC2785		Q802	8-729-117-54	TRANSISTOR 2SA1175	
Q328	8-729-117-54	TRANSISTOR 2SA1175		Q803	8-729-178-54	TRANSISTOR 2SC2785	
Q329	8-729-178-54	TRANSISTOR 2SC2785		Q804	8-729-178-54	TRANSISTOR 2SC2785	
Q330	8-729-178-54	TRANSISTOR 2SC2785		Q805	8-729-117-54	TRANSISTOR 2SA1175	
Q331	8-729-117-54	TRANSISTOR 2SA1175		Q806	8-729-900-36	TRANSISTOR DTC124ES	
Q332	8-729-178-54	TRANSISTOR 2SC2785		Q807	8-729-178-54	TRANSISTOR 2SC2785	
Q333	8-729-178-54	TRANSISTOR 2SC2785		Q1001	8-729-117-54	TRANSISTOR 2SA1175	
Q334	8-729-117-54	TRANSISTOR 2SA1175		Q1002	8-729-117-54	TRANSISTOR 2SA1175	
Q335	8-729-117-54	TRANSISTOR 2SA1175		Q1003	8-729-177-42	TRANSISTOR 2SD774-3	
Q336	8-729-117-54	TRANSISTOR 2SA1175		Q1004	8-729-177-42	TRANSISTOR 2SD774-3	
Q337	8-729-178-54	TRANSISTOR 2SC2785		Q1005	8-729-122-03	TRANSISTOR 2SA1220A-P	
Q338	8-729-900-89	TRANSISTOR DTC144ES		Q1006	8-729-178-54	TRANSISTOR 2SC2785	
Q400	8-729-177-33	TRANSISTOR 2SD773-4					
Q401	8-729-900-36	TRANSISTOR DTC124ES					
Q402	8-729-900-36	TRANSISTOR DTC124ES					
Q403	8-729-117-54	TRANSISTOR 2SA1175		R300	1-249-405-11	CARBON	100 5% 1/4W
Q404	8-729-178-54	TRANSISTOR 2SC2785		R301	1-249-405-11	CARBON	100 5% 1/4W
Q405	8-729-178-54	TRANSISTOR 2SC2785		R302	1-247-721-11	CARBON	4.7K 5% 1/4W
Q406	8-729-178-54	TRANSISTOR 2SC2785		R303	1-249-426-11	CARBON	5.6K 5% 1/4W
Q407	8-729-178-54	TRANSISTOR 2SC2785		R304	1-249-421-11	CARBON	2.2K 5% 1/4W
Q408	8-729-178-54	TRANSISTOR 2SC2785		R305	1-249-429-11	CARBON	10K 5% 1/4W
Q409	8-729-178-54	TRANSISTOR 2SC2785		R306	1-249-405-11	CARBON	100 5% 1/4W
Q410	8-729-900-89	TRANSISTOR DTC144ES		R307	1-247-887-00	CARBON	220K 5% 1/4W
Q411	8-729-900-89	TRANSISTOR DTC144ES		R308	1-249-429-11	CARBON	10K 5% 1/4W
Q412	8-729-117-54	TRANSISTOR 2SA1175		R309	1-249-405-11	CARBON	100 5% 1/4W
Q413	8-729-178-54	TRANSISTOR 2SC2785		R310	1-247-887-00	CARBON	220K 5% 1/4W
Q414	8-729-178-54	TRANSISTOR 2SC2785		R311	1-249-435-11	CARBON	33K 5% 1/4W
Q415	8-729-900-36	TRANSISTOR DTC124ES		R312	1-249-431-11	CARBON	15K 5% 1/4W
Q416	8-729-900-36	TRANSISTOR DTC124ES		R313	1-249-405-11	CARBON	100 5% 1/4W
Q501	8-729-800-35	TRANSISTOR 2SD1397		R314	1-249-405-11	CARBON	100 5% 1/4W
Q502	8-729-119-80	TRANSISTOR 2SC2688-LK		R315	1-249-413-11	CARBON	470 5% 1/4W
Q503	8-729-178-54	TRANSISTOR 2SC2785		R316	1-249-413-11	CARBON	470 5% 1/4W
Q504	8-729-117-54	TRANSISTOR 2SA1175		R317	1-249-414-11	CARBON	560 5% 1/4W
Q505	8-729-309-08	TRANSISTOR 2SC1890A		R318	1-249-422-11	CARBON	2.7K 5% 1/4W
Q506	8-729-178-54	TRANSISTOR 2SC2785		R319	1-249-416-11	CARBON	820 5% 1/4W
Q507	8-729-313-42	TRANSISTOR 2SD1134		R320	1-249-415-11	CARBON	680 5% 1/4W
Q508	8-729-178-54	TRANSISTOR 2SC2785		R321	1-249-411-11	CARBON	330 5% 1/4W
Q509	8-729-195-82	TRANSISTOR 2SC2958		R322	1-249-409-11	CARBON	220 5% 1/4W
Q510	8-729-122-03	TRANSISTOR 2SA1220A-P		R323	1-249-409-11	CARBON	220 5% 1/4W
Q511	8-729-169-02	TRANSISTOR 2SC2690A-Q		R324	1-249-417-11	CARBON	1K 5% 1/4W
Q512	8-729-117-54	TRANSISTOR 2SA1175		R325	1-249-405-11	CARBON	100 5% 1/4W
Q513	8-729-900-63	TRANSISTOR DTA124ES		R326	1-249-409-11	CARBON	220 5% 1/4W
Q514	8-729-900-36	TRANSISTOR DTC124ES		R327	1-249-417-11	CARBON	1K 5% 1/4W
Q515	8-729-900-36	TRANSISTOR DTC124ES		R328	1-249-434-11	CARBON	27K 5% 1/4W
Q516	8-729-117-54	TRANSISTOR 2SA1175		R329	1-249-433-11	CARBON	22K 5% 1/4W
Q517	8-729-178-54	TRANSISTOR 2SC2785		R330	1-249-433-11	CARBON	22K 5% 1/4W
Q518	8-729-178-54	TRANSISTOR 2SC2785		R331	1-249-433-11	CARBON	22K 5% 1/4W
Q519	8-729-900-36	TRANSISTOR DTC124ES		R332	1-249-405-11	CARBON	100 5% 1/4W

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R333	1-249-435-11	CARBON	33K	5%	1/4W	R398	1-249-405-11	CARBON	100	5%	1/4W
R334	1-249-432-11	CARBON	18K	5%	1/4W	R399	1-247-718-11	CARBON	2.7K	5%	1/4W
R335	1-247-700-11	CARBON	100	5%	1/4W	R400	1-249-413-11	CARBON	470	5%	1/4W
R336	1-249-417-11	CARBON	1K	5%	1/4W	R401	1-249-413-11	CARBON	470	5%	1/4W
R337	1-249-410-11	CARBON	270	5%	1/4W	R402	1-249-416-11	CARBON	820	5%	1/4W
R338	1-249-421-11	CARBON	2.2K	5%	1/4W	R403	1-249-411-11	CARBON	330	5%	1/4W
R339	1-249-405-11	CARBON	100	5%	1/4W	R404	1-249-405-11	CARBON	100	5%	1/4W
R340	1-249-434-11	CARBON	27K	5%	1/4W	R405	1-249-422-11	CARBON	2.7K	5%	1/4W
R341	1-249-434-11	CARBON	27K	5%	1/4W	R406	1-249-413-11	CARBON	470	5%	1/4W
R342	1-249-418-11	CARBON	1.2K	5%	1/4W	R407	1-249-413-11	CARBON	470	5%	1/4W
R343	1-249-440-11	CARBON	82K	5%	1/4W	R408	1-249-416-11	CARBON	820	5%	1/4W
R344	1-249-428-11	CARBON	8.2K	5%	1/4W	R409	1-249-411-11	CARBON	330	5%	1/4W
R345	1-249-416-11	CARBON	820	5%	1/4W	R410	1-249-405-11	CARBON	100	5%	1/4W
R346	1-249-416-11	CARBON	820	5%	1/4W	R411	1-249-422-11	CARBON	2.7K	5%	1/4W
R347	1-249-421-11	CARBON	2.2K	5%	1/4W	R412	1-249-419-11	CARBON	1.5K	5%	1/4W
R348	1-249-421-11	CARBON	2.2K	5%	1/4W	R413	1-249-417-11	CARBON	1K	5%	1/4W
R349	1-249-417-11	CARBON	1K	5%	1/4W	R414	1-249-429-11	CARBON	10K	5%	1/4W
R350	1-249-425-11	CARBON	4.7K	5%	1/4W	R415	1-249-417-11	CARBON	1K	5%	1/4W
R351	1-249-421-11	CARBON	2.2K	5%	1/4W	R416	1-249-429-11	CARBON	10K	5%	1/4W
R352	1-247-891-00	CARBON	330K	5%	1/4W	R417	1-249-421-11	CARBON	2.2K	5%	1/4W
R353	1-249-428-11	CARBON	8.2K	5%	1/4W	R418	1-249-439-11	CARBON	68K	5%	1/4W
R354	1-249-424-11	CARBON	3.9K	5%	1/4W	R419	1-249-433-11	CARBON	22K	5%	1/4W
R355	1-249-434-11	CARBON	27K	5%	1/4W	R420	1-249-426-11	CARBON	5.6K	5%	1/4W
R356	1-249-437-11	CARBON	47K	5%	1/4W	R421	1-249-437-11	CARBON	47K	5%	1/4W
R357	1-249-437-11	CARBON	47K	5%	1/4W	R422	1-249-437-11	CARBON	47K	5%	1/4W
R358	1-249-433-11	CARBON	22K	5%	1/4W	R423	1-249-405-11	CARBON	100	5%	1/4W
R359	1-249-417-11	CARBON	1K	5%	1/4W	R424	1-249-437-11	CARBON	47K	5%	1/4W
R360	1-249-413-11	CARBON	470	5%	1/4W	R425	1-249-437-11	CARBON	47K	5%	1/4W
R361	1-249-405-11	CARBON	100	5%	1/4W	R426	1-249-434-11	CARBON	27K	5%	1/4W
R362	1-249-410-11	CARBON	270	5%	1/4W	R427	1-249-429-11	CARBON	10K	5%	1/4W
R363	1-249-432-11	CARBON	18K	5%	1/4W	R428	1-249-425-11	CARBON	4.7K	5%	1/4W
R364	1-249-417-11	CARBON	1K	5%	1/4W	R429	1-249-405-11	CARBON	100	5%	1/4W
R365	1-249-432-11	CARBON	18K	5%	1/4W	R430	1-247-711-11	CARBON	680	5%	1/4W
R366	1-249-437-11	CARBON	47K	5%	1/4W	R431	1-249-416-11	CARBON	820	5%	1/4W
R367	1-249-413-11	CARBON	470	5%	1/4W	R432	1-249-414-11	CARBON	560	5%	1/4W
R368	1-249-405-11	CARBON	100	5%	1/4W	R433	1-249-433-11	CARBON	22K	5%	1/4W
R369	1-249-405-11	CARBON	100	5%	1/4W	R434	1-249-425-11	CARBON	4.7K	5%	1/4W
R370	1-249-417-11	CARBON	1K	5%	1/4W	R435	1-249-405-11	CARBON	100	5%	1/4W
R371	1-249-432-11	CARBON	18K	5%	1/4W	R436	1-249-423-11	CARBON	3.3K	5%	1/4W
R372	1-249-465-11	CARBON	47K	5%	1/4W	R437	1-249-411-11	CARBON	330	5%	1/4W
R373	1-249-436-11	CARBON	39K	5%	1/4W	R438	1-249-405-11	CARBON	100	5%	1/4W
R374	1-249-432-11	CARBON	18K	5%	1/4W	R439	1-249-417-11	CARBON	1K	5%	1/4W
R375	1-249-405-11	CARBON	100	5%	1/4W	R440	1-249-425-11	CARBON	4.7K	5%	1/4W
R376	1-249-417-11	CARBON	1K	5%	1/4W	R441	1-249-421-11	CARBON	2.2K	5%	1/4W
R377	1-249-428-11	CARBON	8.2K	5%	1/4W	R442	1-247-700-11	CARBON	100	5%	1/4W
R378	1-249-433-11	CARBON	22K	5%	1/4W	R443	1-249-421-11	CARBON	2.2K	5%	1/4W
R379	1-249-430-11	CARBON	12K	5%	1/4W	R444	1-249-419-11	CARBON	1.5K	5%	1/4W
R380	1-249-405-11	CARBON	100	5%	1/4W	R445	1-249-417-11	CARBON	1K	5%	1/4W
R381	1-249-431-11	CARBON	15K	5%	1/4W	R446	1-249-422-11	CARBON	2.7K	5%	1/4W
R382	1-249-408-11	CARBON	180	5%	1/4W	R447	1-249-429-11	CARBON	10K	5%	1/4W
R383	1-249-413-11	CARBON	470	5%	1/4W	R448	1-247-883-00	CARBON	150K	5%	1/4W
R384	1-249-413-11	CARBON	470	5%	1/4W	R449	1-249-462-11	CARBON	22K	5%	1/4W
R385	1-249-411-11	CARBON	330	5%	1/4W	R450	1-249-409-11	CARBON	220	5%	1/4W
R386	1-249-415-11	CARBON	680	5%	1/4W	R451	1-247-704-11	CARBON	220	5%	1/4W
R387	1-249-405-11	CARBON	100	5%	1/4W	R452	1-249-409-11	CARBON	220	5%	1/4W
R388	1-249-423-11	CARBON	3.3K	5%	1/4W	R453	1-247-704-11	CARBON	220	5%	1/4W
R389	1-249-417-11	CARBON	1K	5%	1/4W	R454	1-249-417-11	CARBON	1K	5%	1/4W
R390	1-249-433-11	CARBON	22K	5%	1/4W	R455	1-249-409-11	CARBON	220	5%	1/4W
R391	1-249-433-11	CARBON	22K	5%	1/4W	R456	1-249-409-11	CARBON	220	5%	1/4W
R392	1-249-433-11	CARBON	22K	5%	1/4W	R457	1-249-409-11	CARBON	220	5%	1/4W
R393	1-249-403-11	CARBON	68	5%	1/4W	R458	1-249-433-11	CARBON	22K	5%	1/4W
R394	1-249-409-11	CARBON	220	5%	1/4W	R459	1-249-425-11	CARBON	4.7K	5%	1/4W
R395	1-249-417-11	CARBON	1K	5%	1/4W	R460	1-249-425-11	CARBON	4.7K	5%	1/4W
R396	1-249-433-11	CARBON	22K	5%	1/4W	R461	1-249-433-11	CARBON	22K	5%	1/4W
R397	1-249-405-11	CARBON	100	5%	1/4W	R462	1-249-386-11	CARBON	2.7	5%	1/4W F

# VM-1341/1342Q/1343MD

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- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

- \* : Selected to yield optimum performance.

Ref. No.	Part No..	Description	Remark	Ref. No.	Part No.	Description	Remark
※ R463	1-215-431-00	METAL	2.7K 1% 1/6W	R514	1-216-367-11	METAL OXIDE	0.68 5% 2W F
※ R463	1-215-432-00	METAL	3K 1% 1/6W	R515	1-216-434-11	METAL OXIDE	1.8K 5% 1W F
※ R463	1-215-433-00	METAL	3.3K 1% 1/6W	R516	1-214-888-00	METAL	10K 1% 1/2W
※ R463	1-215-434-00	METAL	3.6K 1% 1/6W	R517	1-214-763-00	METAL	27K 1% 1/4W
※ R463	1-215-435-00	METAL	3.9K 1% 1/6W	R518	1-214-956-00	METAL	470K 1% 1/4W
※ R463	1-215-436-00	METAL	4.3K 1% 1/6W	R519	1-214-917-00	METAL	150K 1% 1/2W
※ R463	1-215-437-00	METAL	4.7K 1% 1/6W	R520	1-215-467-00	METAL	82K 1% 1/6W
※ R463	1-215-438-00	METAL	5.1K 1% 1/6W	R521	1-215-445-00	METAL	10K 1% 1/6W
※ R463	1-215-439-00	METAL	5.6K 1% 1/6W	R522	1-247-887-00	CARBON	220K 5% 1/4W
※ R463	1-215-440-00	METAL	6.2K 1% 1/6W	R523	1-215-439-00	METAL	5.6K 1% 1/6W
※ R463	1-215-441-00	METAL	6.8K 1% 1/6W	R524	1-249-469-11	CARBON	100K 5% 1/4W
※ R463	1-215-442-00	METAL	7.5K 1% 1/6W	R525	1-215-445-00	METAL	10K 1% 1/6W
※ R463	1-215-443-00	METAL	8.2K 1% 1/6W	R526	1-215-442-00	METAL	7.5K 1% 1/6W
※ R463	1-215-444-00	METAL	9.1K 1% 1/6W	R527	1-249-417-11	CARBON	1K 5% 1/4W
※ R463	1-215-445-00	METAL	10K 1% 1/6W	R528	1-215-877-11	METAL OXIDE	22K 5% 1W F
※ R463	1-215-446-00	METAL	11K 1% 1/6W	R529	1-216-360-11	METAL OXIDE	8.2 5% 1W F
※ R463	1-215-447-00	METAL	12K 1% 1/6W	R530	1-216-427-00	METAL OXIDE	120 5% 1W F
R464	1-259-881-11	CARBON	2.7M 5% 1/4W	R531	1-247-756-11	CARBON	2.2K 5% 1/2W F
R465	1-249-465-11	CARBON	47K 5% 1/4W	R532	1-249-436-11	CARBON	39K 5% 1/4W
R466	1-249-421-11	CARBON	2.2K 5% 1/4W	R533	1-249-422-11	CARBON	2.7K 5% 1/4W
R467	1-249-431-11	CARBON	15K 5% 1/4W	R534	1-247-719-11	CARBON	3.3K 5% 1/4W
R468	1-249-431-11	CARBON	15K 5% 1/4W	R535	1-215-441-00	METAL	6.8K 1% 1/6W
R469	1-247-897-11	CARBON	560K 5% 1/4W	R536	1-249-433-11	CARBON	22K 5% 1/4W
R470	1-249-437-11	CARBON	47K 5% 1/4W	R537	1-249-417-11	CARBON	1K 5% 1/4W F
R471	1-249-429-11	CARBON	10K 5% 1/4W	R538	1-249-428-11	CARBON	8.2K 5% 1/4W
R472	1-249-417-11	CARBON	1K 5% 1/4W	R539	1-247-883-00	CARBON	150K 5% 1/4W
R473	1-249-437-11	CARBON	47K 5% 1/4W	R540	1-249-466-11	CARBON	56K 5% 1/4W
R474	1-249-429-11	CARBON	10K 5% 1/4W	R541	1-247-883-00	CARBON	150K 5% 1/4W
R475	1-249-417-11	CARBON	1K 5% 1/4W	R542	1-249-438-11	CARBON	56K 5% 1/4W
R476	1-249-401-11	CARBON	47 5% 1/4W	R543	1-247-903-00	CARBON	1M 5% 1/4W
R477	1-249-417-11	CARBON	1K 5% 1/4W	R544	1-215-453-00	METAL	22K 1% 1/6W
R478	1-249-401-11	CARBON	47 5% 1/4W	R545	1-249-417-11	CARBON	1K 5% 1/4W
R479	1-249-417-11	CARBON	1K 5% 1/4W	R546	1-249-411-11	CARBON	330 5% 1/4W
R480	1-249-401-11	CARBON	47 5% 1/4W	R547	1-249-414-11	CARBON	560 5% 1/4W
R481	1-249-433-11	CARBON	22K 5% 1/4W	R548	1-249-415-11	CARBON	680 5% 1/4W
R482	1-249-433-11	CARBON	22K 5% 1/4W	R549	1-215-473-00	METAL	150K 1% 1/6W
R483	1-249-433-11	CARBON	22K 5% 1/4W	R550	1-249-433-11	CARBON	22K 5% 1/4W
R484	1-247-891-00	CARBON	330K 5% 1/4W	R551	1-247-688-11	CARBON	10 5% 1/4W F
R485	1-246-533-75	CARBON	330K 5% 1/4W	R552	1-249-425-11	CARBON	4.7K 5% 1/4W
R486	1-249-433-11	CARBON	22K 5% 1/4W	R553	1-249-429-11	CARBON	10K 5% 1/4W
R487	1-249-433-11	CARBON	22K 5% 1/4W	R554	1-249-460-11	CARBON	15K 5% 1/4W
R488	1-249-418-11	CARBON	1.2K 5% 1/4W F	R555	1-249-426-11	CARBON	5.6K 5% 1/4W
R489	1-249-421-11	CARBON	2.2K 5% 1/4W	R556	1-247-707-11	CARBON	390 5% 1/4W
R490	1-247-895-00	CARBON	470K 5% 1/4W	R557	1-215-463-00	METAL	56K 1% 1/6W
R491	1-249-420-11	CARBON	1.8K 5% 1/4W	R558	1-215-457-00	METAL	33K 1% 1/6W
R492	1-249-417-11	CARBON	1K 5% 1/4W	R559	1-215-453-00	METAL	22K 1% 1/6W
R493	1-249-441-11	CARBON	100K 5% 1/4W	R560	1-215-479-00	METAL	270K 1% 1/6W
R494	1-249-413-11	CARBON	470 5% 1/4W	R561	1-249-435-11	CARBON	33K 5% 1/4W
R495	1-249-433-11	CARBON	22K 5% 1/4W	R562	1-249-422-11	CARBON	2.7K 5% 1/4W
R496	1-249-433-11	CARBON	22K 5% 1/4W	R563	1-249-428-11	CARBON	8.2K 5% 1/4W
R497	1-249-437-11	CARBON	47K 5% 1/4W	R564	1-215-445-00	METAL	10K 1% 1/6W
R498	1-249-433-11	CARBON	22K 5% 1/4W	R565	1-249-413-11	CARBON	470 5% 1/4W F
R499	1-249-433-11	CARBON	22K 5% 1/4W	R566	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R500	1-247-711-11	METAL	680 5% 1/6W	R567	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R501	1-247-711-11	CARBON	680 5% 1/4W F	R568	1-249-401-11	CARBON	47 5% 1/4W F
R502	1-216-464-11	METAL OXIDE	18K 5% 2W F	R569	1-215-869-11	METAL OXIDE	1K 5% 1W F
R503	1-249-440-11	CARBON	82K 5% 1/4W	R570	1-247-697-11	CARBON	56 5% 1/4W F
R504	1-249-424-11	CARBON	3.9K 5% 1/4W	R571	1-215-867-00	METAL OXIDE	470 5% 1W F
R505	1-249-440-11	CARBON	82K 5% 1/4W	R572	1-216-355-11	METAL OXIDE	3.3 5% 1W F
R506	1-249-431-11	CARBON	15K 5% 1/4W	R573	1-247-746-11	CARBON	390 5% 1/2W
R507	1-249-434-11	CARBON	27K 5% 1/4W	R574	1-249-425-11	CARBON	4.7K 5% 1/4W F
R508	1-247-723-11	CARBON	6.8K 5% 1/4W F	R575	1-247-688-11	CARBON	10 5% 1/4W F
R509	1-249-423-11	CARBON	3.3K 5% 1/4W F	R576	1-249-440-11	CARBON	82K 5% 1/4W
R510	1-215-919-11	METAL OXIDE	2.2K 5% 3W F	R577	1-249-396-11	CARBON	18 5% 1/4W
R511	1-215-447-00	METAL	12K 1% 1/6W	R578	1-249-433-11	CARBON	22K 5% 1/4W
R512	1-212-883-00	FUSIBLE	120 5% 1/4W F				
R513	1-249-383-11	CARBON	1.5 5% 1/4W F				

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R579	1-249-433-11	CARBON	22K	5%	1/4W	R846	1-215-439-00	METAL	5.6K	1%	1/6W
R580	1-249-433-11	CARBON	22K	5%	1/4W	R847	1-249-433-11	CARBON	22K	5%	1/4W
R581	1-249-429-11	CARBON	10K	5%	1/4W	R848	1-249-433-11	CARBON	22K	5%	1/4W
R582	1-249-429-11	CARBON	10K	5%	1/4W	R850	1-249-440-11	CARBON	82K	5%	1/4W
R583	1-249-438-11	CARBON	56K	5%	1/4W	R851	1-249-439-11	CARBON	68K	5%	1/4W
R584	1-247-881-00	CARBON	120K	5%	1/4W	R852	1-249-437-11	CARBON	47K	5%	1/4W
R585	1-249-433-11	CARBON	22K	5%	1/4W	R853	1-247-710-11	CARBON	560	5%	1/4W
R586	1-215-449-00	METAL	15K	1%	1/6W	R855	1-249-414-11	CARBON	560	5%	1/4W
R587	1-249-429-11	CARBON	10K	5%	1/4W	R856	1-249-429-11	CARBON	10K	5%	1/4W
R588	1-247-688-11	CARBON	10	5%	1/4W F	R857	1-247-725-11	CARBON	10K	5%	1/4W
R589	1-249-417-11	CARBON	1K	5%	1/4W	R858	1-249-433-11	CARBON	22K	5%	1/4W
R590	1-249-433-11	CARBON	22K	5%	1/4W	R860	1-249-425-11	CARBON	4.7K	5%	1/4W
R591	1-249-433-11	CARBON	22K	5%	1/4W	R861	1-249-437-11	CARBON	47K	5%	1/4W
R592	1-249-417-11	CARBON	1K	5%	1/4W	R862	1-249-425-11	CARBON	4.7K	5%	1/4W
R593	1-249-425-11	CARBON	4.7K	5%	1/4W	R863	1-247-721-11	CARBON	4.7K	5%	1/4W
R594	1-247-719-11	CARBON	3.3K	5%	1/4W	R864	1-247-717-11	CARBON	2.2K	5%	1/4W
R595	1-249-417-11	CARBON	1K	5%	1/4W	R866	1-249-426-11	CARBON	5.6K	5%	1/4W
R596	1-247-721-11	CARBON	4.7K	5%	1/4W F	R867	1-249-426-11	CARBON	5.6K	5%	1/4W
R597	1-215-437-00	METAL	4.7K	1%	1/6W	R868	1-249-421-11	CARBON	2.2K	5%	1/4W
R598	1-247-725-11	CARBON	10K	5%	1/4W	R869	1-249-425-11	CARBON	4.7K	5%	1/4W
R599	1-247-711-11	CARBON	680	5%	1/4W F	R870	1-249-426-11	CARBON	5.6K	5%	1/4W
R800	1-215-443-00	METAL	8.2K	1%	1/6W	R871	1-249-427-11	CARBON	6.8K	5%	1/4W
R801	1-249-440-11	CARBON	82K	5%	1/4W	R872	1-249-417-11	CARBON	1K	5%	1/4W
R802	1-215-429-00	METAL	2.2K	1%	1/6W	R873	1-249-437-11	CARBON	47K	5%	1/4W
R803	1-249-465-11	CARBON	47K	5%	1/4W	R874	1-215-437-00	METAL	4.7K	1%	1/6W
R804	1-247-726-11	CARBON	33K	5%	1/4W F	R875	1-215-453-00	METAL	22K	1%	1/6W
R805	1-249-407-11	CARBON	150	5%	1/4W	R876	1-249-429-11	CARBON	10K	5%	1/4W
R806	1-249-415-11	CARBON	680	5%	1/4W	R877	1-249-417-11	CARBON	1K	5%	1/4W
R807	1-249-437-11	CARBON	47K	5%	1/4W	R878	1-249-429-11	CARBON	10K	5%	1/4W
R808	1-249-433-11	CARBON	22K	5%	1/4W	R879	1-249-437-11	CARBON	47K	5%	1/4W
R809	1-215-471-00	METAL	120K	1%	1/6W	R880	1-249-417-11	CARBON	1K	5%	1/4W
R810	1-215-467-00	METAL	82K	1%	1/6W	R881	1-249-423-11	CARBON	3.3K	5%	1/4W
R811	1-249-429-11	CARBON	10K	5%	1/4W	R883	1-249-409-11	CARBON	220	5%	1/4W
R812	1-249-427-11	CARBON	6.8K	5%	1/4W	R884	1-249-417-11	CARBON	1K	5%	1/4W
R813	1-249-405-11	CARBON	100	5%	1/4W	R885	1-249-469-11	CARBON	100K	5%	1/4W
R814	1-249-417-11	CARBON	1K	5%	1/4W	R886	1-247-725-11	CARBON	10K	5%	1/4W
R815	1-249-409-11	CARBON	220	5%	1/4W	R887	1-247-704-11	CARBON	220	5%	1/4W
R816	1-249-429-11	CARBON	10K	5%	1/4W	R1001	1-247-717-11	CARBON	2.2K	5%	1/4W
R817	1-247-881-00	CARBON	120K	5%	1/4W	R1002	1-249-429-11	CARBON	10K	5%	1/4W
R818	1-247-881-00	CARBON	120K	5%	1/4W	R1003	1-249-405-11	CARBON	100	5%	1/4W
R819	1-247-903-00	CARBON	1M	5%	1/4W	R1004	1-247-725-11	CARBON	10K	5%	1/4W
R820	1-249-426-11	CARBON	5.6K	5%	1/4W	R1005	1-249-437-11	CARBON	47K	5%	1/4W
R821	1-247-881-00	CARBON	120K	5%	1/4W	R1006	1-249-439-11	CARBON	68K	5%	1/4W
R822	1-249-417-11	CARBON	1K	5%	1/4W	R1007	1-249-433-11	CARBON	22K	5%	1/4W
R823	1-247-696-11	CARBON	47	5%	1/4W F	R1009	1-249-429-11	CARBON	10K	5%	1/4W
R824	1-249-439-11	CARBON	68K	5%	1/4W	R1010	1-249-415-11	CARBON	680	5%	1/4W
R825	1-249-437-11	CARBON	47K	5%	1/4W	R1011	1-249-455-11	CARBON	4.7	5%	1/4W
R826	1-249-417-11	CARBON	1K	5%	1/4W	R1012	1-216-355-11	METAL OXIDE	3.3	5%	1W F
R827	1-249-417-11	CARBON	1K	5%	1/4W	R1013	1-249-413-11	CARBON	470	5%	1/4W
R828	1-249-417-11	CARBON	1K	5%	1/4W	R1014	1-249-414-11	CARBON	560	5%	1/4W
R829	1-249-421-11	CARBON	2.2K	5%	1/4W	R1015	1-215-867-00	METAL OXIDE	470	5%	1W F
R830	1-249-435-11	CARBON	33K	5%	1/4W	R1016	1-247-698-11	CARBON	68	5%	1/4W
R831	1-249-438-11	CARBON	56K	5%	1/4W	R1017	1-249-421-11	CARBON	2.2K	5%	1/4W
R832	1-249-417-11	CARBON	1K	5%	1/4W	R1018	1-249-437-11	CARBON	47K	5%	1/4W
R833	1-249-425-11	CARBON	4.7K	5%	1/4W	R1019	1-212-857-00	FUSIBLE	10	5%	1/4W F
R834	1-249-425-11	CARBON	4.7K	5%	1/4W	R1020	1-249-429-11	CARBON	10K	5%	1/4W
R835	1-247-889-00	CARBON	270K	5%	1/4W	R1021	1-249-434-11	CARBON	27K	5%	1/4W
R836	1-247-897-11	CARBON	560K	5%	1/4W	R1022	1-249-428-11	CARBON	8.2K	5%	1/4W
R837	1-215-469-00	METAL	100K	1%	1/6W	R1023	1-249-428-11	CARBON	8.2K	5%	1/4W
R838	1-246-531-00	CARBON	270K	5%	1/4W	R1024	1-247-903-00	CARBON	1M	5%	1/4W
R840	1-247-696-11	CARBON	47	5%	1/4W	R1025	1-249-429-11	CARBON	10K	5%	1/4W
R842	1-249-409-11	CARBON	220	5%	1/4W	R1026	1-249-429-11	CARBON	10K	5%	1/4W
R843	1-247-704-11	CARBON	220	5%	1/4W	R1027	1-215-454-00	METAL	24K	1%	1/6W
R844	1-249-417-11	CARBON	1K	5%	1/4W	R1301	1-249-429-11	CARBON	10K	5%	1/4W
R845	1-247-725-11	CARBON	10K	5%	1/4W	R1302	1-247-725-11	CARBON	10K	5%	1/4W

# PVM-1341/1342Q/1343MD

**A** **W** **X**

Ref. No. Part No. Description

R1303 1-249-429-11 CARBON 10K 5% 1/4W  
 R1304 1-249-405-11 CARBON 100 5% 1/4W  
 R1306 1-247-700-11 CARBON 100 5% 1/4W  
 R1307 1-249-421-11 CARBON 2.2K 5% 1/4W

### VARIABLE RESISTOR

RV002 1-228-993-00 RES, ADJ, CARBON 4.7K  
 RV003 1-228-993-00 RES, ADJ, CARBON 4.7K  
 RV004 1-228-993-00 RES, ADJ, CARBON 4.7K  
 RV005 1-228-996-00 RES, ADJ, CARBON 47K  
 RV006 1-228-994-00 RES, ADJ, CARBON 10K  
 RV007 1-228-994-00 RES, ADJ, CARBON 10K  
 RV501 1-228-993-00 RES, ADJ, METAL GLAZE 4.7K  
 RV502 1-223-102-00 RES, ADJ, WIREWOUND 120  
 RV503 1-228-996-00 RES, ADJ, METAL GLAZE 47K  
 RV504 1-228-990-00 RES, ADJ, CARBON 1K  
 RV505 1-228-995-00 RES, ADJ, CARBON 22K  
 RV506 1-228-989-00 RES, ADJ, CARBON 470  
 RV507 1-224-250-99 RES, ADJ, METAL GLAZE 2.2K  
 RV508 1-228-994-00 RES, ADJ, CARBON 10K  
 RV509 1-230-635-51 RES, ADJ, CARBON 220K  
 RV510 1-228-996-00 RES, ADJ, CARBON 47K  
 RV511 1-228-989-00 RES, ADJ, CARBON 470  
 RV512 1-228-995-00 RES, ADJ, CARBON 22K  
 RV513 1-228-993-00 RES, ADJ, METAL GLAZE 4.7K  
 RV514 1-228-996-00 RES, ADJ, CARBON 47K  
 RV550 1-228-993-00 RES, ADJ, CARBON 4.7K

### TRANSFORMER

T501 A 1-439-395-12 TRANSFORMER ASSY, FLYBACK  
 T502 1-437-131-00 TRANSFORMER, DRIVE

### THERMISTOR

TH501 1-806-110-00 THERMISTOR

\*1-629-149-11 W BOARD  
 \*\*\*\*\*

### CAPACITOR

C1400 1-136-169-00 FILM 0.22MF 5% 50V  
 C1401 1-136-153-00 FILM 0.01MF 5% 50V  
 C1402 1-124-478-11 ELECT 100MF 20% 25V  
 C1403 1-102-074-00 CERAMIC 0.001MF 10% 50V  
 C1404 1-124-478-11 ELECT 100MF 20% 25V  
 C1405 1-123-875-11 ELECT 10MF 20% 50V  
 C1406 1-124-902-00 ELECT 0.47MF 20% 50V

### DIODE

D1400 8-719-911-19 DIODE 1SS119  
 D1401 8-719-911-19 DIODE 1SS119

### IC

IC1400 8-759-135-80 IC UPC358C

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref. No. Part No. Description Remark

Q1400 8-729-178-54 TRANSISTOR 2SC2785  
 Q1401 8-729-117-54 TRANSISTOR 2SA1175  
 Q1402 8-729-178-54 TRANSISTOR 2SC2785  
 Q1403 8-729-178-54 TRANSISTOR 2SC2785

### RESISTOR

R1400 1-249-437-11 CARBON 47K 5% 1/4W  
 R1401 1-249-415-11 CARBON 680 5% 1/4W  
 R1402 1-247-895-00 CARBON 470K 5% 1/4W  
 R1403 1-247-903-00 CARBON 1M 5% 1/4W  
 R1404 1-249-438-11 CARBON 56K 5% 1/4W  
 R1405 1-249-433-11 CARBON 22K 5% 1/4W  
 R1406 1-249-411-11 CARBON 330 5% 1/4W  
 R1407 1-249-433-11 CARBON 22K 5% 1/4W  
 R1408 1-249-411-11 CARBON 330 5% 1/4W  
 R1409 1-249-429-11 CARBON 10K 5% 1/4W  
 R1410 1-249-409-11 CARBON 220 5% 1/4W  
 R1411 1-249-426-11 CARBON 5.6K 5% 1/4W  
 R1412 1-249-411-11 CARBON 330 5% 1/4W  
 R1413 1-247-883-00 CARBON 150K 5% 1/4W  
 R1414 1-249-429-11 CARBON 10K 5% 1/4W  
 R1416 1-249-429-11 CARBON 10K 5% 1/4W  
 R1417 1-249-433-11 CARBON 22K 5% 1/4W  
 R1418 1-249-439-11 CARBON 68K 5% 1/4W  
 R1419 1-249-440-11 CARBON 82K 5% 1/4W  
 R1420 1-249-441-11 CARBON 100K 5% 1/4W

### CONNECTOR

W1 \*1-565-482-11 CONNECTOR, BOARD TO BOARD 6P  
 W2 \*1-564-506-11 PLUG, CONNECTOR 3P

\*1-629-151-11 XA BOARD  
 \*\*\*\*\*

### CAPACITOR

C1300 1-101-005-00 CERAMIC 0.022MF 50V  
 C1301 1-101-888-00 CERAMIC 68PF 5% 50V  
 C1302 1-101-884-00 CERAMIC 56PF 5% 50V  
 C1303 1-102-942-00 CERAMIC 5PF 1PF 50V  
 C1304 1-102-947-00 CERAMIC 10PF 0.5PF 50V  
 C1305 1-102-947-00 CERAMIC 10PF 0.5PF 50V  
 C1306 1-102-951-00 CERAMIC 15PF 5% 50V  
 C1307 1-102-951-00 CERAMIC 15PF 5% 50V  
 C1308 1-124-478-11 ELECT 100MF 20% 25V  
 C1309 1-102-125-00 CERAMIC 0.0047MF 10% 50V

### TRIMMER

CV3 1-141-337-11 CAP, VAR, TRIMMER  
 CV4 1-141-337-11 CAP, VAR, TRIMMER

### COIL

L1300 1-408-429-00 INDUCTOR 470UH  
 L1301 1-408-429-00 INDUCTOR 470UH  
 L1302 1-408-429-00 INDUCTOR 470UH  
 L1303 1-408-429-00 INDUCTOR 470UH

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifique.

XA

J

Ref.No. Part No. Description Remark

TRANSISTOR

Q1300 8-729-178-54 TRANSISTOR 2SC2785  
Q1301 8-729-900-89 TRANSISTOR DTC144ES  
Q1302 8-729-178-54 TRANSISTOR 2SC2785  
Q1303 8-729-178-54 TRANSISTOR 2SC2785  
Q1304 8-729-178-54 TRANSISTOR 2SC2785  
Q1305 8-729-178-54 TRANSISTOR 2SC2785

RESISTOR

R1301	1-249-413-11	CARBON	470	5%	1/4W
R1302	1-249-415-11	CARBON	680	5%	1/4W
R1303	1-249-415-11	CARBON	680	5%	1/4W
R1304	1-249-427-11	CARBON	6.8K	5%	1/4W
R1305	1-249-413-11	CARBON	470	5%	1/4W
R1306	1-249-413-11	CARBON	470	5%	1/4W
R1308	1-249-417-11	CARBON	1K	5%	1/4W
R1310	1-249-441-11	CARBON	100K	5%	1/4W
R1311	1-249-441-11	CARBON	100K	5%	1/4W
R1312	1-249-441-11	CARBON	100K	5%	1/4W
R1313	1-249-441-11	CARBON	100K	5%	1/4W
R1320	1-249-429-11	CARBON	10K	5%	1/4W
R1321	1-249-429-11	CARBON	10K	5%	1/4W
R1322	1-249-429-11	CARBON	10K	5%	1/4W
R1323	1-249-429-11	CARBON	10K	5%	1/4W

CRYSTAL

X358 1-567-505-11 OSCILLATOR, CRYSTAL  
X443 1-567-504-11 OSCILLATOR, CRYSTAL

CONNECTOR

XA1 \*1-565-483-11 CONNECTOR, BOARD TO BOARD 7P

\*1-629-153-11 J BOARD  
\*\*\*\*\*

CONNECTOR

J1 \*1-568-106-11 PIN, CONNECTOR 7P

MISCELLANEOUS

$\Delta$ 1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE
$\Delta$ 1-426-375-11	COIL, DEMAGNETIZATION
$\Delta$ 1-451-329-11	DEFLECTION YOKE (SY-222)
1-452-032-00	MAGNET, DISK; 10MM $\phi$
1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$
1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)
1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)
1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)
1-543-604-11	CORE, RING
1-544-063-11	SPEAKER
S901 $\Delta$ 1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)
$\Delta$ 1-574-443-11	CORD, POWER (WITH NOISE FILTER) (PVM-1341/1342Q ONLY)
$\Delta$ 1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT) (PVM-1343MD ONLY)
V901 $\Delta$ 8-734-822-05	PICTURE TUBE (M34KBE20X) (PVM-1342Q/1343MD ONLY)
V901 $\Delta$ 8-736-255-05	PICTURE TUBE (A34JHS12X) (PVM-1341 ONLY)



# PVM-1341/1342Q/1343MD

**SONY®**  
**SERVICE MANUAL**

*US Model*  
*Canadian Model*

## SUPPLEMENT-1

File this Supplement with the Service Manual.

### INTRODUCTION

A and W boards modification

 : Indicate modification portion

PVM-1341

*Serial No. 2,002,701 and later*  
*Chassis No. SCC-C27A-A*

PVM-1342Q

*Serial No. 2,004,201 and later*  
*Chassis No. SCC-C25A-A*

PVM-1343MD

*Serial No. 2,001,451 and later*  
*Chassis No. SCC-C28A-A*



MICROFILM

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**8. ELECTRICAL PARTS LIST.....** 12

# PVM-1341/1342Q/1343MD

## SONY SERVICE MANUAL

US Model  
Canadian Model

PVM-1341

Serial No. 2,003,501 and later  
Chassis No. SCC-C27A-A  
PVM-1342Q

Serial No. 2,008,101 and later  
Chassis No. SCC-C25A-A  
PVM-1343MD

Serial No. 2,002,951 and later  
Chassis No. SCC-C28A-A

## SUPPLEMENT-2

File this Supplement with the Service Manual.

### INTRODUCTION

F board modification

 : Indicates modification portion

### SECTION 7 EXPLODED VIEWS

#### 7-1. CHASSIS

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No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2 	1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE (PVM-1342Q/1343MD ONLY)	10,11,20
4	X-4391-805-1	CABINET ASSY, BOTTOM		15	*A-1270-249-A	QE BOARD, COMPLETE	
5	*A-1245-494-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
6	*A-1245-495-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		17	*A-1270-247-A	QC BOARD, COMPLETE	
7	*A-1296-616-A	A BOARD, COMPLETE	8,9	18	4-391-843-12	PLATE, TERMINAL	
8	*1-629-149-12	TRANSFORMER ASSY, FLYBACK		19	*3-682-419-01	HOLDER, P.C.B.	
9	*1-629-151-11	XA BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		21	*4-391-835-01	PLATE (C) SHIELD	

#### 7-2. PICTURE TUBE

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No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL.	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL.	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		59 	1-426-442-21	COIL, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
56 	1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
57	*4-391-820-01	COVER, AC SWITCH		74	X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
58	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		75 	*4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)			*4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)		76 	1-574-421-11	CORD, POWER (PVM-1341/1342Q ONLY)	
59 	1-8-734-821-05	PICTURE TUBE (M34KBE20X) (PVM-1342Q/1343MD ONLY)			1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT) (PVM-1343MD ONLY)	
	1-8-736-254-05	PICTURE TUBE (A34JHS10X) (PVM-1341 ONLY)		77	4-308-870-00	CLIP, LEAD WIRE	
60	3-703-961-01	SPACER, DY		78	1-452-032-00	MAGNET, DISK; 10MM Ø	
61 	1-451-329-11	DEFLECTION YOKE (SY-222)		79	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
62	*4-382-050-01	BAND, C PC BOARD		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
64	*A-1330-913-A	C BOARD, COMPLETE		82	*1-629-153-11	J BOARD	
				83	1-543-604-11	CORE, RING	
				84	4-847-802-11	SCREW (OS), CASE, CLAW	



**SECTION 8 ELECTRICAL PARTS LIST**

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\*A-1245-494-A F BOARD, COMPLETE (PVM-1341/1342Q ONLY)

\*\*\*\*\*

\*A-1245-495-A F BOARD, COMPLETE (PVM-1343MD ONLY)

\*\*\*\*\*

\*4-341-751-01 EYELET

\*4-341-752-01 EYELET

4-363-414-00 SPACER, MICA

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**THERMISTOR**

TH611 1-800-954-11 THERMISTOR S-3K

THP601A 1-808-059-21 THERMISTOR, POSITIVE

\*\*\*\*\*

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**MISCELLANEOUS**

\*\*\*\*\*

A-1-237-614-12 RESISTOR ASSY, HIGH-VOLTAGE

A-1-426-375-11 COIL, DEMAGNETIZATION

A-1-451-329-11 DEFLECTION YOKE (SY-222)

1-452-032-00 MAGNET, DISK; 10MM Ø

1-452-094-00 MAGNET, ROTATABLE DISK; 15MM Ø

1-466-076-11 CONTROL UNIT (PVM-1342Q ONLY)

1-466-076-21 CONTROL UNIT (PVM-1343MD ONLY)

1-466-077-11 CONTROL UNIT (PVM-1341 ONLY)

1-543-604-11 CORE, RING

1-544-063-11 SPEAKER

S901 A-1-554-967-12 SWITCH, PUSH (AC POWER)(1 KEY)

A-1-574-443-11 CORD, POWER (WITH NOISE FILTER)

(PVM-1341/1342Q ONLY)

A-1-574-445-11 CORD, POWER (MEDICAL INSTRUMENT)

(PVM-1343MD ONLY)

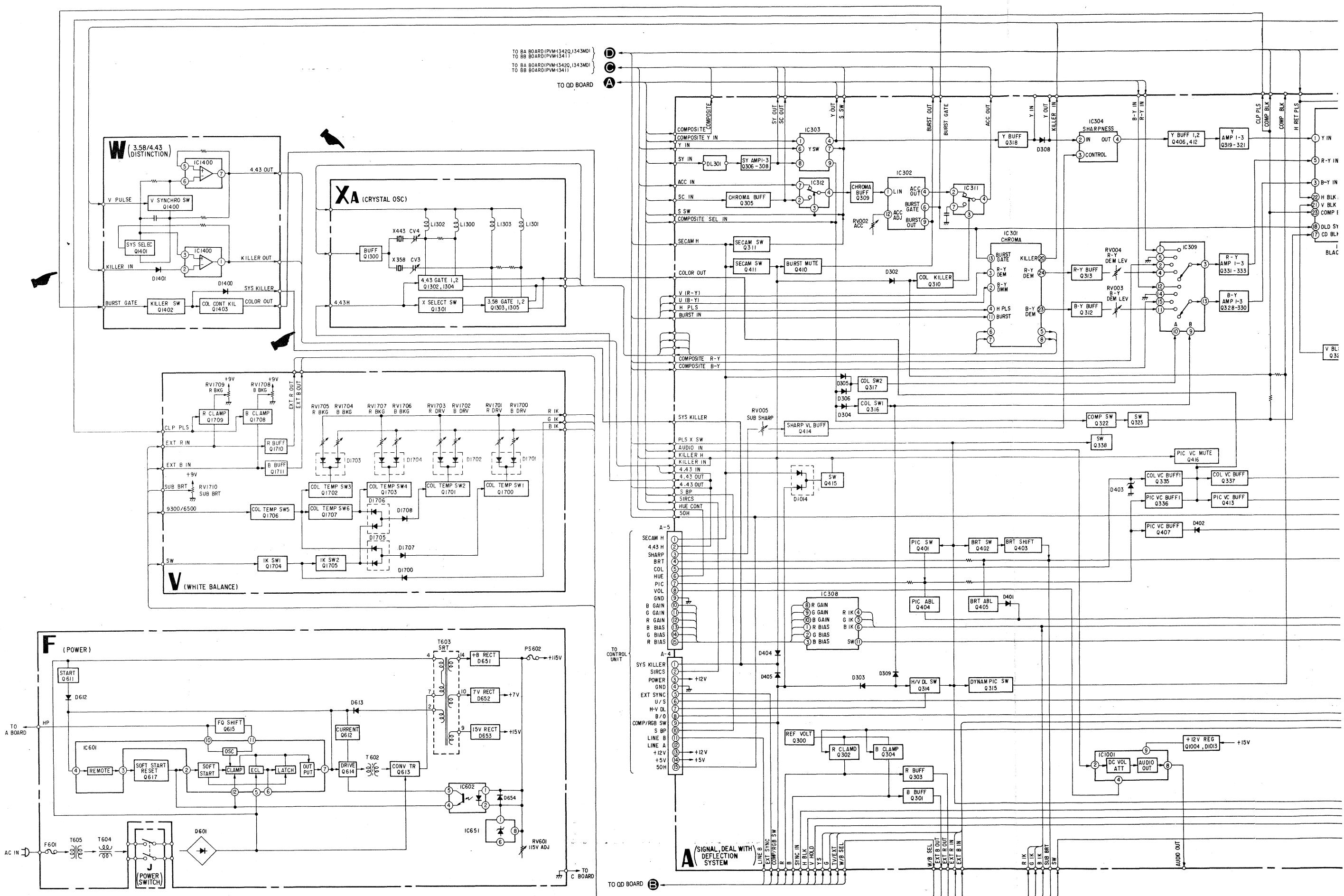
V901 A-8-734-821-05 PICTURE TUBE (M34KBE20X)

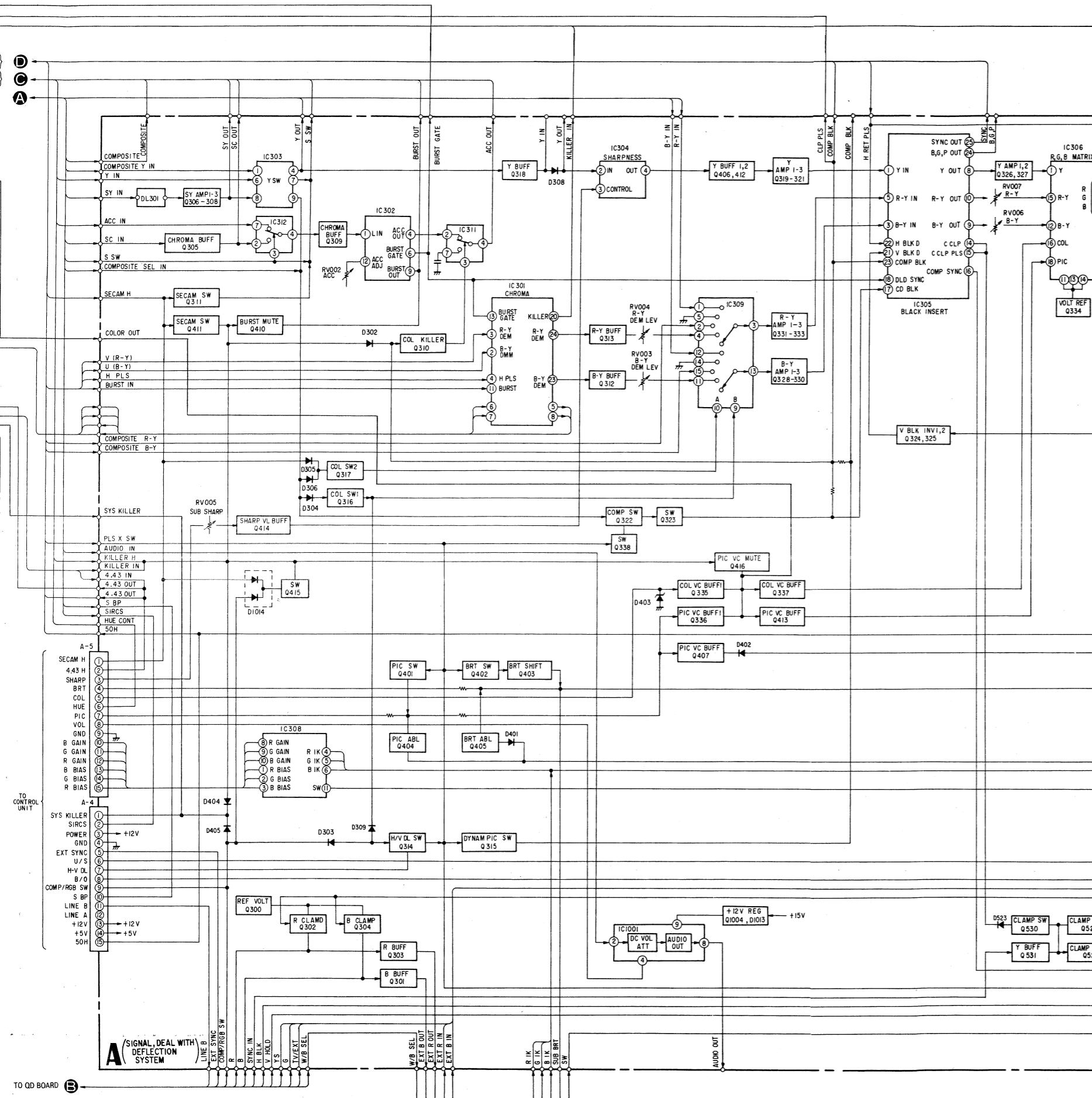
(PVM-1342Q/1343MD ONLY)

V901 A-8-736-254-05 PICTURE TUBE (A34JHS10X) (PVM-1341 ONLY)

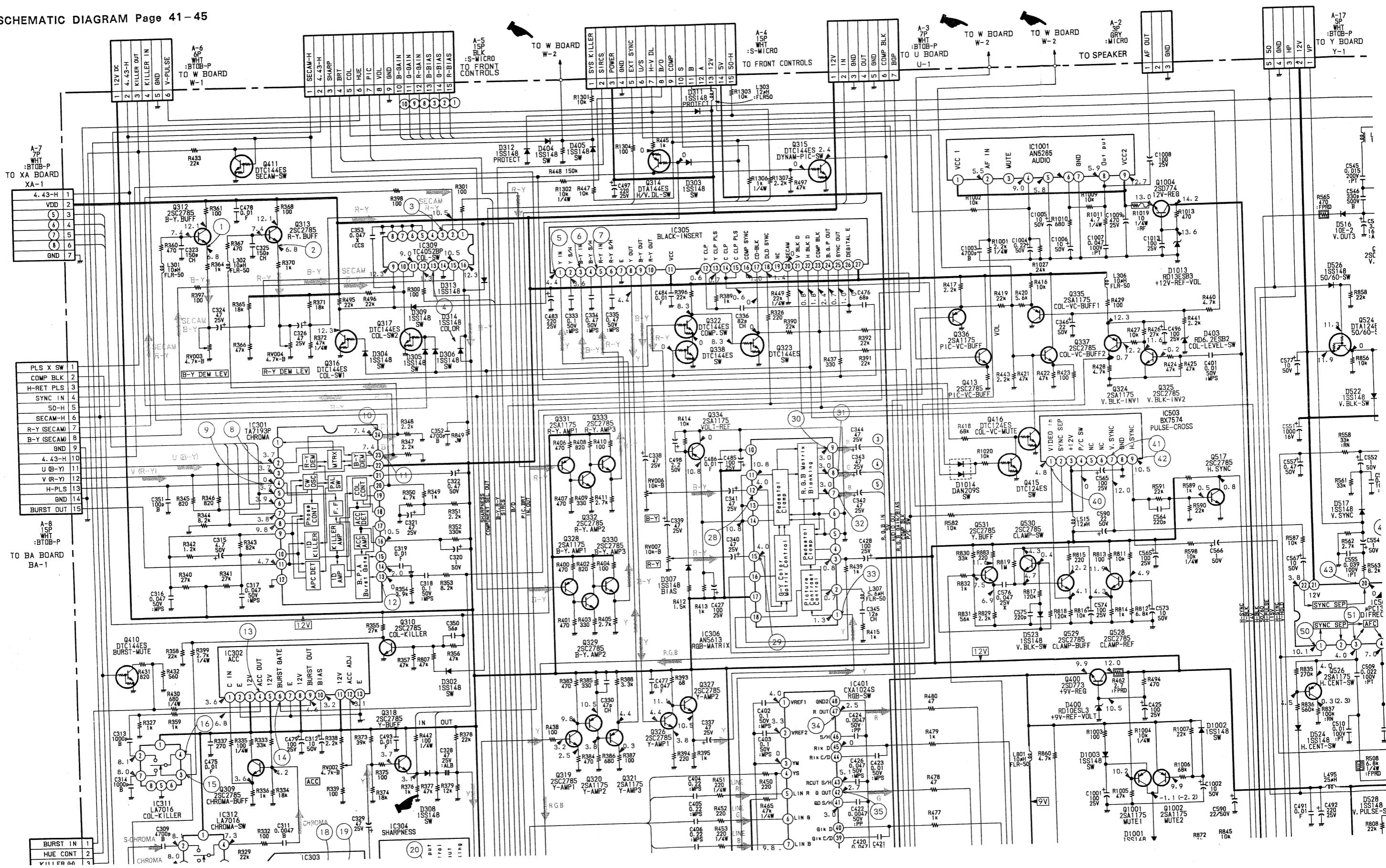
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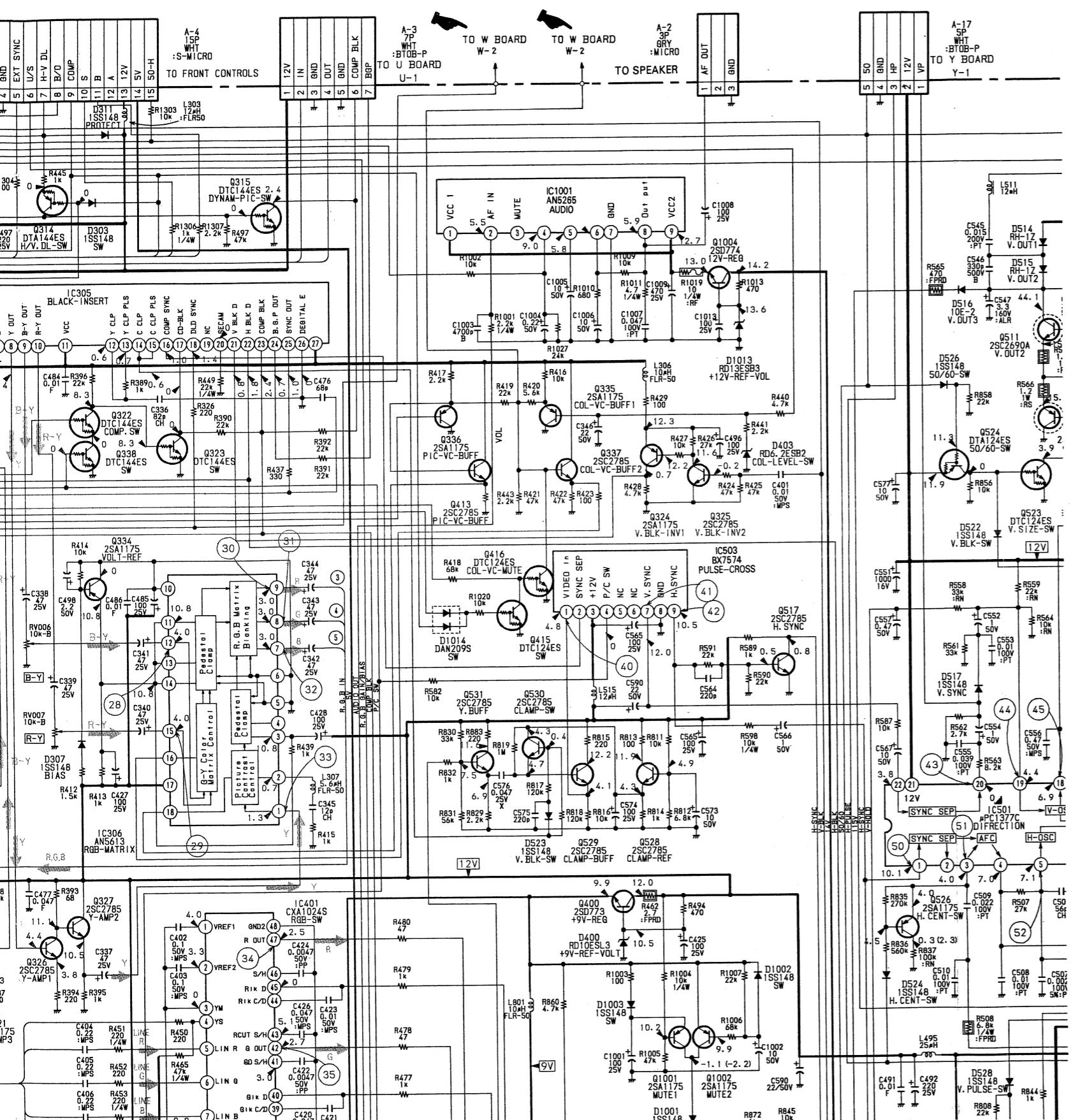
6.2. BLOCK DIAGRAMS Page 31-32



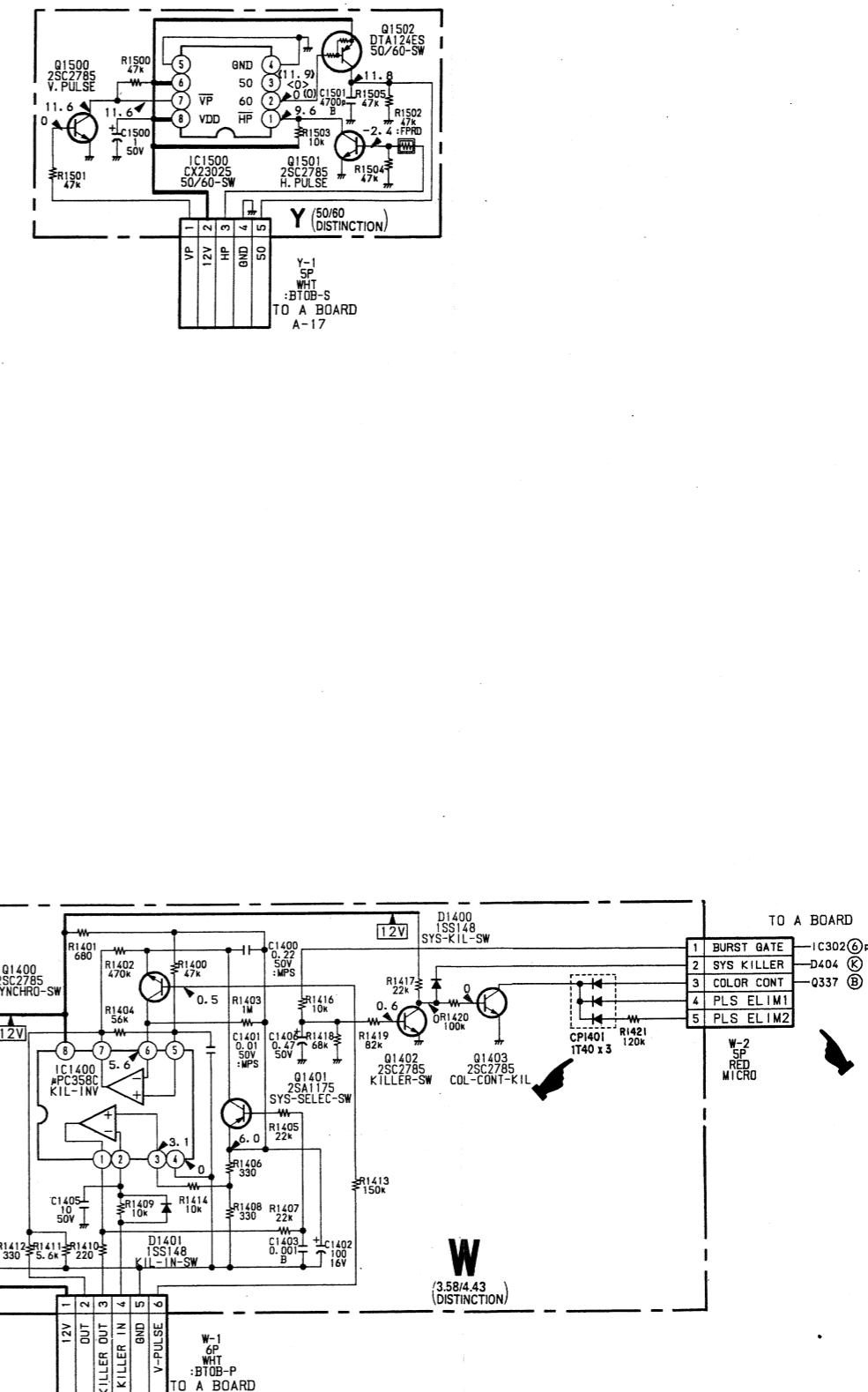


## 6-5. SCHEMATIC DIAGRAM Page 41-45





(Y Board: PVM-1342Q, PVM-1343MD Only)



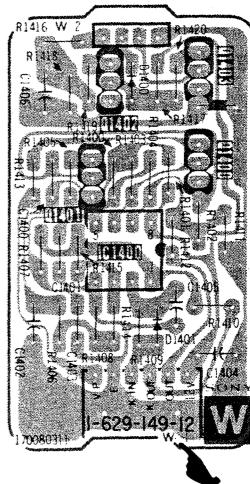
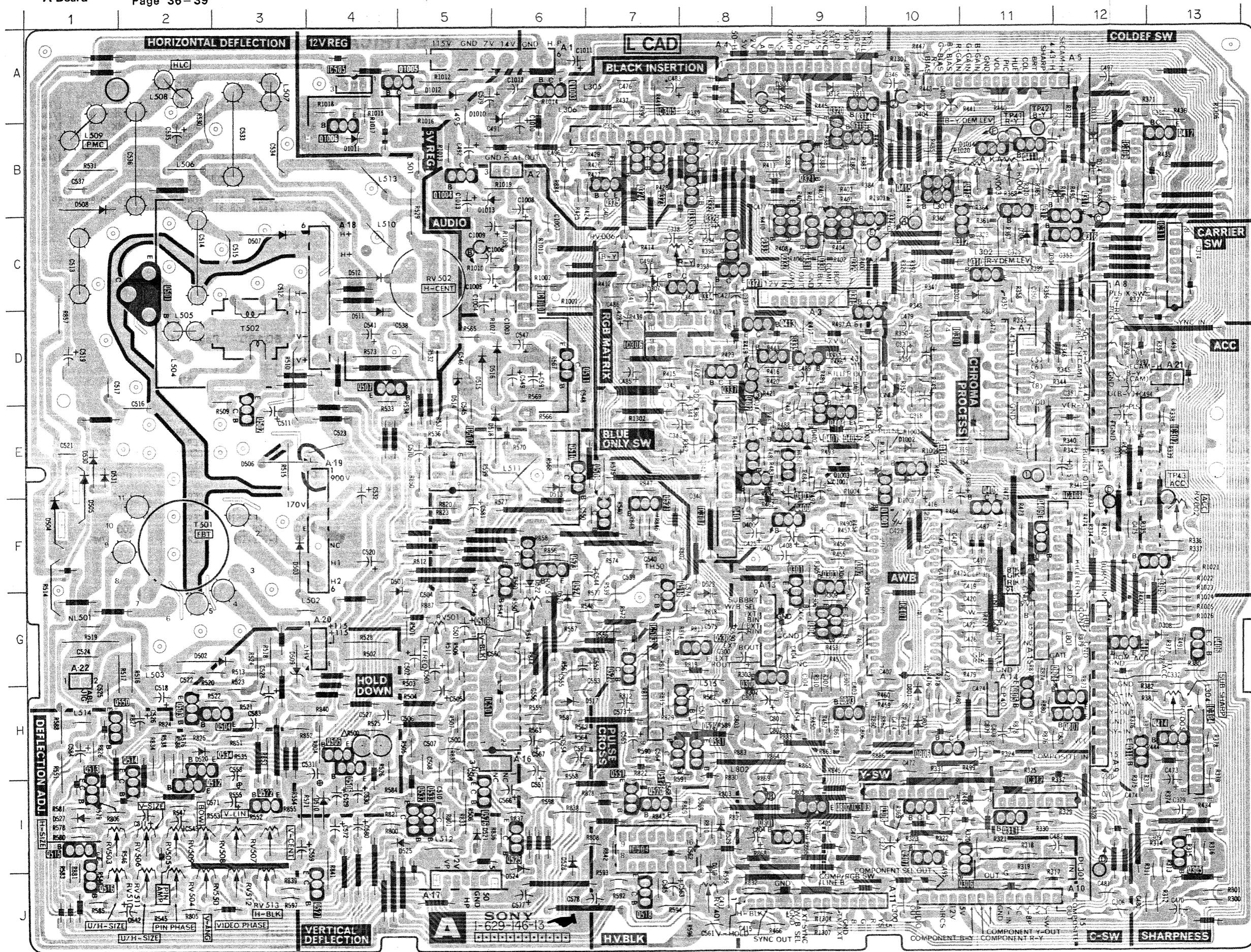
**6-3. PRINTED WIRING BOARDS — Conductor Side —** **A** [SIGNAL PROCESS, DEFLECTION SYSTEM]  
— A Board — Page 36-39

A

[SIGNAL PROCESS, DEFLECTION SYSTEM]

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— W Board —



## SECTION 7

### EXPLODED VIEWS

#### 7-1. CHASSIS

Page 65

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2 A	1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE	10, 11, 20
4	X-4391-805-1	CABINET ASSY, BOTTOM				(PVM-1342Q/1343MD ONLY)	
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		15	*A-1270-249-A	QE BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
6	*A-1291-616-A	A BOARD, COMPLETE	8, 9	17	*A-1270-247-A	QC BOARD, COMPLETE	
7 A	1-439-395-12	TRANSFORMER ASSY, FLYBACK		18	4-391-843-12	PLATE, TERMINAL	
8	*1-629-149-12	W BOARD		19	*3-682-419-01	HOLDER, P.C.B	
9	*1-629-151-11	XA BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		21	*4-391-835-01	PLATE (C) SHIELD	

#### 7-2. PICTURE TUBE

Page 66

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69 A	1-426-375-11	COIL DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
56 A	1-554-967-12	SWITCH, PUSH (AC POWER) (1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
57	*4-391-820-01	COVER, AC SWITCH		74	X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
58	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		75 A	*4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)		76 A	*4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)		77	4-308-870-00	CLIP, LEAD WIRE	
59 A	8-734-822-05	PICTURE TUBE (M34KBE20X)		78	1-452-032-00	MAGNET, DISK; 10MM Ø	
		(PVM-1342Q/1343MD ONLY)		79	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
60	3-703-961-01	SPACER, DY		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
61 A	1-451-329-11	DEFLECTION YOKE (SY-222)		82	*1-629-153-11	J BOARD	
62	*4-382-050-01	BAND, C PC BOARD		83	1-543-604-11	CORE, RING	
64	*A-1330-913-A	C BOARD, COMPLETE		84	4-847-802-11	SCREW (OS), CASE, CLAW	

## SECTION 8

### ELECTRICAL PARTS LIST

#### SECTION 8

#### ELECTRICAL PARTS LIST

##### - A BOARD - Page 77

Ref. No.	Part No.	Description
	*A-1291-616-A	A BOARD, COMPLETE
		*****
	*4-329-153-00	HEAT SINK, V OUT
	*4-341-751-01	EYELET
	*4-341-752-01	EYELET
	*4-363-404-00	HOLDER, IC
	4-363-414-00	SPACER, MICA

##### Page 84

Ref. No.	Part No.	Description	Remark
R1416	1-249-429-11	CARBON	10K 5% 1/4W
R1417	1-249-433-11	CARBON	22K 5% 1/4W
R1418	1-249-439-11	CARBON	68K 5% 1/4W
R1419	1-249-440-11	CARBON	82K 5% 1/4W
R1420	1-249-441-11	CARBON	100K 5% 1/4W
R1421	1-247-881-00	CARBON	120K 5% 1/4W
		CONNECTOR	
W1	*1-565-482-11	CONNECTOR, BOARD TO BOARD 6P	
W2	*1-564-508-31	PLUG, CONNECTOR 5P	

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Ref. No.	Part No.	Description	Remark
R361	1-249-405-11	CARBON	100 5% 1/4W
R362	1-249-410-11	CARBON	270 5% 1/4W
R363	1-249-432-11	CARBON	18K 5% 1/4W

##### - XA BOARD - Page 84

Ref. No.	Part No.	Description	Remark
R364	1-249-417-11	CARBON	1K 5% 1/4W
R365	1-249-432-11	CARBON	18K 5% 1/4W
R366	1-249-437-11	CARBON	47K 5% 1/4W
R367	1-249-413-11	CARBON	470 5% 1/4W
R368	1-249-405-11	CARBON	100 5% 1/4W
		CAPACITOR	
R369	1-249-405-11	CARBON	100 5% 1/4W
R370	1-249-417-11	CARBON	1K 5% 1/4W
R371	1-249-432-11	CARBON	18K 5% 1/4W
R372	1-249-465-11	CARBON	47K 5% 1/4W
R373	1-249-436-11	CARBON	39K 5% 1/4W
R374	1-249-432-11	CARBON	18K 5% 1/4W
R375	1-249-405-11	CARBON	100 5% 1/4W
R376	1-249-417-11	CARBON	1K 5% 1/4W
R377	1-249-437-11	CARBON	47K 5% 1/4W
R378	1-249-433-11	CARBON	22K 5% 1/4W
R379	1-249-430-11	CARBON	12K 5% 1/4W
R380	1-249-405-11	CARBON	100 5% 1/4W
C1300	1-101-005-00	CERAMIC	0.022MF 50V
C1301	1-101-888-00	CERAMIC	68PF 5% 50V
C1302	1-101-884-00	CERAMIC	56PF 5% 50V
C1303	1-102-942-00	CERAMIC	5PF 1PF 50V
C1304	1-102-947-00	CERAMIC	10PF 0.5PF 50V
C1305	1-102-947-00	CERAMIC	10PF 0.5PF 50V
C1306	1-102-951-00	CERAMIC	15PF 5% 50V
C1307	1-102-951-00	CERAMIC	15PF 5% 50V
C1308	1-126-101-11	ELECT	100MF 20% 16V
C1309	1-102-125-00	CERAMIC	0.0047MF 10% 50V

##### - W BOARD - Page 84

\*1-629-149-12 W BOARD  
\*\*\*\*\*

Ref. No.	Part No.	Description
C1400	1-136-169-00	FILM
C1401	1-136-153-00	FILM
C1402	1-126-101-11	ELECT
C1403	1-102-074-00	CERAMIC
C1404	1-126-101-11	ELECT
C1405	1-123-875-11	ELECT
C1406	1-124-902-00	ELECT

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B&I Systems Company

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